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Thomas Arkle Clark

Bucknell University Bulletin.

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OF THE
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CATALOGUE

.. 1902-1903 ..

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Thomas Arkle Clark

THE

FIFTY-THIRD ANNUAL CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

Bucknell University:

COLLEGE OF LIBERAL ARTS.

FOR THE YEAR 1902-1903

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Departments.

The College of Liberal Arts,..... 13 to 105
The Academy for Young Men,..... 106 to 132
The Institute for Young Women,..... 116 to 166
The School of Music for both Sexes,..... 167 to 180

SUMMARY OF ATTENDANCE.

The College of Liberal Arts,..... 408
The Academy for Young Men,..... 84
The Institute for Young Women,..... 85
The School of Music for both Sexes,..... 140
Total (deducting names repeated),..... 633

Plan and Purpose of the University

CORPORATE RIGHTS.

The University was incorporated with full University privileges by the Legislature of Pennsylvania, in an Act approved by the Governor on the fifth day of February, A. D. 1846. The management of the University is committed to a Board of Trustees, consisting of twenty-five members, or fewer at the option of the Board. The trustees are prohibited, for any cause or under any pretext whatever, from encumbering by mortgage or otherwise the real estate or any other property of the Institution. It is required by the charter that no religious sentiments are to be counted a disability to hinder the election of an individual to any office among the teachers of the institution, or to debar persons from attendance as pupils, or in any manner to abridge their privileges or immunities as students in any department of the University.

ENDOWMENT.

The institution has productive funds amounting to over $430,000. The endowment funds, raised at various times, were increased, in 1881, to an even $200,000. William Bucknell contributed to the general fund $115,000, and for scholarships and prizes about $25,000. One hundred thousand dollars additional for endowment was raised in 1892. In 1900, a fund of $75,000 for additional endowment and improvement was completed. An additional hundred thousand dollars of endowment was completed December 31, 1902. The total property of the institution, including this subscription, aggregates about one million dollars.

FORM OF BEQUEST.

To persons desiring to aid in increasing the efficiency of the schools in their work of preparing young men and young women for usefulness, the following form of bequest is recommended:

I give and bequeath to the Bucknell University, at Lewisburg, Pa., the sum of ..... dollars for the general purpose of said school, according to the Act of Assembly incorporating the same.

ORGANIZATION.

The University comprises four schools:

I. **The College** offers five Courses of study, leading respectively to degrees in Arts, Philosophy, Science and Engineering, and is open to both sexes.

II. **The Institute** for young women has three Courses of study, the Literary, the Classical, and the Scientific, leading to diplomas which admit to the Sophomore year in the College.

III. **The Academy** is designed to fit young men for College, either for the Classical, Philosophical, Scientific, or Technological courses.

IV. **The School of Music** has full Courses in instrumental and vocal music, and grants diplomas to those who complete any of the specified Courses.

These schools are one corporation, have one President, who has general charge, with a Principal in more immediate charge of each of the subordinate departments. All expenses are met from funds in the hands of a common treasurer.

The Board of Trustees.

Chairman, HARRY S. HOPPER, esq.,
28 South Third Street, Philadelphia.

Secretary, Rev. A. JUDSON ROWLAND, d. d., ll. d.
1420 Chestnut Street, Philadelphia.

Treasurer, Rev. DAVID PORTER LEAS, a. m.,
400 South Fortieth Street, Philadelphia.

Hon. E. A. ARMSTRONG, a. m.
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Hon. HAROLD M. McCLURE, a.m.
D. BRIGHT MILLER, a. m.
Gen. CHARLES MILLER, a. m.
GEORGE M. PHILIPS, ph. d.
A. JUDSON ROWLAND, d.d., ll.d.
LEROY STEPHENS, d. d.
JAMES S. SWARTZ, esq.
Hon. JOHN B. STETSON.
Hon. F. J. TORRANCE, a. m.
ERNEST L. TUSTIN, a. m., esq.
JOSEPH K. WEAVER, a. m., m. d.
HENRY G. WESTON, d. d., ll. d.
Hon. SIMON P. WOLVERTON, ll. d.

MEETINGS OF THE BOARD.

The annual meeting is held on Tuesday of Commencement week, at Lewisburg.

The semi-annual meeting is held on the second Thursday of January, at 1420 Chestnut Street, Philadelphia.

Committees of the Board.

COMMITTEE ON INSTRUCTION AND DISCIPLINE.

Rev. A. JUDSON ROWLAND, D. D., *Chairman.*

Rev. HENRY G. WESTON, LL. D., Hon. SIMON P. WOLVERTON, LL.D
Rev. LEROY STEPHENS, D. D., ERNEST L. TUSTIN, A. M.,
Hon. W. B. HANNA, D. C. L., GEORGE M. PHILIPS, PH. D.

AND THE PRESIDENT.

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JAMES S. SWARTZ, *Chairman.*

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HARRY S. HOPPER, ESQ., HIRAM EDMUND DEATS, ESQ.,
JOSEPH K. WEAVER, M. D., Hon. E. A. ARMSTRONG, A. M.,
Hon. JOHN B. STETSON, Hon. FRANCIS J. TORRANCE, A.M.

AND THE PRESIDENT.

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Hon. SIMON P. WOLVERTON, LL.D. CALVIN GREENE, ESQ.,
Gen. CHARLES MILLER, A. M., Hon. HAROLD McCLURE, A.M.
Col. JOHN J. CARTER.

COMMITTEE ON PUBLICATION.

Rev. LEROY STEPHENS, D. D., *Chairman.*

Rev. DAVID PORTER LEAS, A. M. Rev. HENRY G. WESTON, D. D.,

AND THE PRESIDENT.

The University Property.

I. THE MAIN COLLEGE.

The main College building is situated on a hill one hundred feet above the Susquehanna river, and overlooks scenery of unsurpassed beauty. It was designed by Thomas U.Walter, LL. D., architect of the dome and wings of the Capitol at Washington, D. C., and is in the Grecian style, combining dignity and simplicity. The building has a facade of three hundred and twenty feet. The central portion is eighty feet square, and is strengthened in front by four massive columns. On the first floor are six recitation rooms. On the second floor are the halls of the Theta Alpha and Euepia Literary Societies, the Library-rooms, Reading-room, and Museum of Natural History.

In the third story is Commencement Hall, with a seating capacity of fifteen hundred.

The wings on the eastern and western sides, respectively, of the Main Building, are each one hundred and twenty feet in length and four stories in height, and are used for students' rooms.

Several thousand dollars have been expended recently in improving the College building.

II. THE WEST COLLEGE.

The West College was ready for occupancy at the opening of the school year, September 20th, 1900. It is constructed of

brick, four stories in height, and contains ninety-seven rooms, one of which is a hall for the use of the Young Men's Christian Association, another a reading-room, and the others are designed for the residence of students.

III. THE BUCKNELL HALL.

Bucknell Hall is the Chapel of the College. In it all the students of the College meet daily for worship.

IV. THE OBSERVATORY.

The Observatory was erected in 1887, and is designed for the use of students in Practical Astronomy.

The equipment represents the latest improvements in astronomical instruments. It consists of a Clark Equatorial Telescope of 10 inches aperture and 12½ feet focal length, furnished with a fine position Micrometer and all the usual accessories; a Spectroscope, with prism and grating by Brashear; a 3-inch prismatic Transit, with a 13-wire moveable Micrometer, a Fauth Chronograph with Bond Spring Governor; a Waldo Precision Clock for siderial time, with mercurial compensation, break circuiting apparatus; Daniell's battery and telegraph sounders; a Seth Thomas Clock for solar time; a Sextant; a 3-inch Altitude Azimuth Refractor; a set of Meteorological instruments: Celestial globes and maps, and standard works on Theoretical and Practical Astronomy.

V. THE LABORATORY.

The Laboratory was erected in 1890, and is a building forty-three feet in width and eighty-six feet in length, with

two stories above the basement. In the first story, which has a clear height of fifteen feet, are a lecture-room, with seating for one hundred and twenty-five students, and a large working-room, in which are tables for individual work in Chemical Analysis; the second floor contains a lecture-room for the class in Physics, and rooms for laboratory work in Organic Science; the basement has a dark room for Photometry, a room for Applied Chemistry, another for Electricity, and a fire-proof room.

VI. THE TUSTIN GYMNASIUM.

The basement of the Gymnasium is built of stone, and contains an office for the director, rooms for students' lockers, dressing-rooms, and shower baths. The second story is built of brick, rising twenty-two feet from the main floor to the square and is open to the roof. At the height of twelve feet a running-track gallery, six feet wide, surrounds the room.

VII. THE ATHLETIC FIELD.

The field is conveniently located at the foot of "College Hill," and has been graded and fitted up for out-door sports. In the northwest corner, at the main entrance to the college grounds, a shaded section has been set aside for tennis. The athletic field is sufficiently large for foot-ball, base-ball, and lacrosse. A running track, a quarter-mile in length, has been constructed on the eastern part of the campus. The Tustin Gymnasium is located at the end of the field, so as to be near the centre of exercise, and easily accessible to the trainers and students.

VIII. THE ACADEMY.

1. The Main Building of the Academy is situated on "College Hill," and is fifty feet in width by eighty feet in length, and three stories in height. On the first floor is a dining-room, thirty feet by thirty-six feet; two recitation-rooms, a reception room and the Principal's office; on the second floor are suites of rooms for the Principal and his family and for the Matron. The third floor is occupied by students' rooms, each twenty feet by twelve feet, and fourteen feet high.

2. The East Hall of the Academy is the Bucknell Cottage for young men, and is contiguous to the main building and connected with it by a covered passage-way. It is of brick, three stories high, sixty feet in length and forty feet in width, and is finished in natural wood. The building contains a general study-room, a recitation-room, teachers' apartments, and rooms for students. The rooms have high ceilings, large double windows with inside shutters and two commodious closets each.

Both buildings are supplied with hot and cold water and are warmed by steam.

IX. THE DEPARTMENT FOR WOMEN.

The buildings and campus of this department are set apart for the use of women taking courses in the College, in the Institute and in the School of Music.

1. The Main Building contains, on the first floor, an office for the Principal and the Registrar, a reception-room, the office of the Director of Music, five music-rooms, two recitation-rooms and a dining-hall; on the second floor a school-room and a parlor; on the third floor a library-room, teachers' apartments, and students' rooms.

2. The South Hall erected in 1869, is devoted to students'

rooms, except the third story, which is used as a gymnasium. This gymnasium has been lately improved and equipped.

3. **The Bucknell Cottage** stands to the southwest of the Main Building, and is connected with it by an enclosed passage-way. It is built of brick, in the Queen Anne style of architecture, and has dimensions of thirty-three feet by one hundred feet. The interior is finished in natural wood, and is equipped, in matters of light, heat, and ventilation, with modern improvements

The portion allotted to students' rooms affords accommodations for forty occupants. These rooms are in suites on the general plan of a centre parlor, with bed-rooms and closets on either side. In this building is the **Studio**, a spacious room with such adjustments for the admission of light and supply of unencumbered wall surfaces as adapt it for the execution and display of art products.

All the buildings are supplied with hot and cold water, and are warmed by steam.

4. **The Campus** of the Women's Department comprises six acres, separated from the college grounds by Loomis Street.

X. HEATING AND LIGHTING PLANT.

A central steam heating and electric lighting plant has been erected; all the rooms, public and private, in the several buildings of the Institution are warmed from this plant. The basement story has one room forty by forty-two for the heating plant and another, twenty by fifty for the electric plant. The main story, with one room twenty by fifty and another forty by forty, accommodates the department of physics.

XI. THE PRESIDENT'S HOUSE.

The Corporation also owns a house for the use of the President of the University.

THE COLLEGE.

THE FACULTY AND OTHER OFFICERS.

JOHN HOWARD HARRIS, PH. D., LL. D., PRESIDENT,
AND PROFESSOR OF PSYCHOLOGY AND ETHICS.

*FREEMAN LOOMIS, A. M., PH. D.,
PROFESSOR OF MODERN LANGUAGES AND LITERATURE.

GEORGE G. GROFF, M. D., PH. D., LL. D.,
PROFESSOR OF ORGANIC SCIENCE.

WILLIAM CYRUS BARTOL, A. M., PH. D.,
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

FRANK ERNEST ROCKWOOD, A. M., LL. D.,
PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE,
AND DEAN OF THE COLLEGE.

WILLIAM GUNDY OWENS, A. M.,
PROFESSOR OF PHYSICS AND CHEMISTRY.

ENOCH PERRINE, A. M., LITT. D.,
PROFESSOR OF THE ENGLISH LANGUAGE AND LITERATURE,
AND SECRETARY OF THE FACULTY.

*On leave of absence.

THOMAS FRANKLIN HAMBLIN, A. M.,

NEW JERSEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

LINCOLN HULLEY, A. M., PH. D.,

PROFESSOR OF HISTORY.

WILLIAM EMMET MARTIN, A. M.,

PROFESSOR OF LOGIC AND ANTHROPOLOGY.

MISS EVELINE JUDITH STANTON, PH. M.,

DEAN OF THE COLLEGE WOMEN.

NELSON FITHIAN DAVIS, SC. D.,

PROFESSOR OF BIOLOGY.

EPHRAIM M. HEIM, PH. D.,

PROFESSOR OF ECONOMIC AND POLITICAL SCIENCE.

GUIDO CARL LEO RIEMER, A. M.,

PROFESSOR OF MODERN LANGUAGES.

LLEWELLYN PHILLIPS, A. M.,

JOHN P. CROZER PROFESSOR OF RHETORIC AND ORATORY.

CALVIN AURAND HARE, A. M.,

PROFESSOR OF CHRISTIAN EVIDENCES.

ELYSEE AVIRAGNET, A. M., MUS. DOC.,

INSTRUCTOR IN THE ROMANCE LANGUAGES.

THOMAS JOHNSON MORRIS, A. B.,
INSTRUCTOR IN ORATORY.

JOSEPH MEIXELL WOLFE, A. M.,
INSTRUCTOR IN MATHEMATICS.

CHARLES ARTHUR LINDEMANN, A. M.,
INSTRUCTOR IN APPLIED MATHEMATICS.

FRANK MORTON SIMPSON, SC. M.,
INSTRUCTOR IN MECHANICAL DRAWING.

WILLIS EDGAR MANEVAL, PH. B.,
ASSISTANT IN BIOLOGY.

MARY UNGER, A. B.,
ASSISTANT IN ENGLISH.

HAROLD MURRAY McCLURE, A. M.,
PRESIDENT JUDGE, SEVENTEENTH JUDICIAL DISTRICT,
LECTURER ON CONTRACTS AND PRACTICE.

FREDERICK EVANS BOWER, A. M.,
ATTORNEY-AT-LAW,
LECTURER ON CRIMES AND TORTS.

ALBERT WILLIAM JOHNSON, A. M.,
ATTORNEY-AT-LAW,
LECTURER ON REAL PROPERTY AND EQUITY.

WILLIAM LEISER, M. D.,
LECTURER ON DIAGNOSIS.

WEBER L. GERHART, M. D.,
LECTURER ON ANATOMY.

CHARLES ALEXANDER GUNDY, M. D.,
LECTURER ON SURGERY.

GEORGE DANA BOARDMAN, D. D., LL. D.,
LECTURER ON SOCIAL ETHICS.

LEMUEL MOSS, D. D., LL. D.,
LECTURER ON SOCIAL SCIENCE.

BENAIAH L. WHITMAN, LL. D.,
LECTURER ON PRACTICAL ETHICS.

WILLIAM EMMET MARTIN, A. M.,
LIBRARIAN.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,
REGISTRAR OF THE UNIVERSITY.

REV. CALVIN AURAND HARE, A. M.,
FINANCIAL SECRETARY.

Alumni Associations.

The General Alumni Association.

President, GEORGE I. McLEOD, A. M., M. D., Philadelphia.
Secretary, Prof. W. G. OWENS, A. M., Lewisburg.

The Alumni Club of Philadelphia.

President, SAMUEL BOLTON, A. M., M. D., Philadelphia.
Secretary, JOSEPH ROBERT WOOD, A. M., Philadelphia.

The Alumni Club of New York City.

President, T. A. K. GESSLER, D. D., New York City.
Secretary, W. R. MAUL, PH. B., Erastina, L. I.

The Alumni Club of Pittsburg.

President, JOHN SPEED HUTSON, D. D., Allegheny.
Secretary, WILLIAM M. WOODWARD, M. D., McKeesport.

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Secretary, JOSEPH C. HAZEN, PH. B., Chicago.

The Alumni Club of Northeastern Pennsylvania.

President, WILLARD MAINE BUNNELL, A. B., ESQ., .
Secretary, CHARLES W. DAWSON, ESQ., Scranton.

The Alumni Club of Harrisburg.

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Secretary, HARVEY F. SMITH, M. D., Harrisburg.

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The Alumni Club of Williamsport.

President, PROF. W. W. KELCHNER, A. M., Williamsport

Secretary, CLARENCE A. WEYMOUTH, SC. B., Lock Haven.

The Alumni Club of Lewisburg.

President, ANDREW A. LEISER, A. M., ESQ., Lewisburg.

Secretary, CHARLES J. WOLFE, A. M., Lewisburg.

Names of Students.

GRADUATE STUDENTS.

NAME.	RESIDENCE.
Archibald Merrill Allison, A. B.,	*Spring Mills*
Lyndon Ernest Ayres, A. B.,	*Clifford*
Edna Lorine Bacon, A. B.,	*Bridgeton, N. J.*
Charles Franklin Bidelspacher, A. B.,	*Montoursville*
Benjamin Franklin Bieber, A. B.,	*Pottsgrove*
Charles Isaiah Boyer, PH. B.,	*Mandata*
Irving Herbert Buckminster, PH. B.,	*Evanston, Wyo.*
Percy Myron Bullard, A. B.,	*Williamsport*
James Llewellyn Cattell, A. B.,	*Chestnut Hill*
Emmanuel Wilson Cober, SC. B.,	*Philadelphia*
George T. Cooper, SC. B.,	*Lewistown*
Mary Protherof Davies, SC. B.,	*Scranton*
Jennie Davis, PH. B.,	*Lewisburg*
John Davis, A. B.,	*Nanticoke*
Amos Kapp Deibler, A. B.,	*Sunbury*
Frank Weber Dillon, A. B.,	*Erie*
Minnie Gertrude Eckels, PH. B.,	*Edinboro*
David Hayes Elliot, A. B.,	*San Domingo, Cal.*
Jerome Clark Fetzer, PH. B.,	*Montandon*
Levi Truckenmiller Fetzer, PH. B.,	*New York City*
Edward Flint, A. B.,	*Oil City*
Simon Ward Gilpin, PH. B.,	*Virginia, Minn.*
Maria Maude Goddard, A. B.,	*Lewisburg*
Benjamin W. Griffith, PH. B.,	*Lock Haven*
Carrie Jeanette Halfpenny, SC. B.,	*Milton*
Eli Peter Heckert, A. B.,	*Mauch Chunk*
John Andrew Herman, PH. B.,	*Lewistown*
Elmer Ellsworth Hess, PH. B.,	*Cross Fork*
Katherine Mott Johnson, A. B.,	*Payson, Utah*
Mary Anna Kline Bunnell, PH. B.,	*Kodiak, Alaska*
Charles Dison Koch, PH. B.,	*New York City*
Ralph Frederick Koons, PH. B,	*Conyngham*
Rush Harrison Kress, PH. B.,	*New York City*

Daniel Horatio Krise, ph. b.,	*Mayfield*
Thomas Phillips Kyle, ph. b.,	*Brooklyn, N. Y.*
Sarah Esther Lee, a. b.,	*Jermyn*
Charles Franklin McMann, a. b.,	*Tecumseh, Neb.*
Willis Edgar Maneval, ph. b.,	*Lewisburg*
Howard Curtis Meserve, a. b.,	*Hartford, Conn.*
John Henry Neuhauser, a. b.,	*Springfield, O.*
John William McCracken, a. b.,	*Greensburg*
Edith Lee Phillips, a. b.,	*Bridgeton, N. J.*
Erwin Russell Powell, a. b.,	*Warrensville*
William Carey Purdy, sc. b.,	*Big Run*
Frances Anna Race, a. b.,	*Morgantown, W. Va.*
Frank Joseph Rawlinson, a. b.,	*Rochester, N. Y.*
Edgar Reed, a. b.,	*Milton*
Philip Reilly, a. b.,	*Philadelphia*
William Sawyer Robinson, ph. b.,	*Mooresburg*
David Howard Robbins, a. b.,	*Picture Rocks*
Charity Margaret Runyan, a. b.,	*Lewisburg*
Frances Gertrude Scott, sc. b.,	*Lewisburg*
Edna Schuyler Shires, sc. b.,	*Allegheny City*
Thornton Moore Shorkley, ph. b.,	*Philadelphia*
Harry Collins Simons, sc. b.,	*Oak Lane*
Amandus Merkle Smith, a. b.,	*Kutztown*
Arthur Anson Smith, ph. b.,	*Williamsport*
James Wilson Snyder, a. b.,	*Berwick*
Harry Thomas Sprague, ph. b.,	*Philadelphia*
Myra Amy Sprague, a. b.,	*Factoryville*
Lewis Edwin Theiss,	*Bridgeton, N. J.*
Levi Joseph Ulmer, sc. b.,	*Williamsport*
Bertha Celestine Watkins, a. b.,	*Scranton*
Margaret Ellen Wensel, sc. b.,	*Wilmington, Del.*
Mabel Estelle Wheeler, ph. b.,	*Marion, Va.*
Augusta Genevieve White, sc. b.,	*Ann Arbor, Mich.*
Rutledge Thornton Wiltbank, ph. b.,	*Hollidaysburg*
Charles Wagner Wolfe, a. b.,	*Newton Centre, Mass.*
Jennie May Wood, a. b.,	*Factoryville*
William D. Zerby, a. b.,	*Sober*
Alicia Mitchell Zierden, sc. b.,	*Johnsonburg*

Graduate Students, 71.

THE SENIOR CLASS.

CLASS OF 1903.

NAME.	RESIDENCE.	ROOM.
Sarah Hamill Ayres,	*Hightstown, N. J.*	South First Street
Irwin Albert Bartholomew,	*Sunbury.*	No. 25, West Wing
John Weiser Bassler,	*Sunbury.*	No. 53 West College
Walter Bertolette,	*Mauch Chunk.*	No. 69 West College
Harry Edmund Bilger,	*Curwensville.*	No. 6, West Wing
George Ripley Bliss,	*Washington, D. C.*	No. 83, West College
Joanna Boyce,	*Wellsboro.*	Institute
John Jay Brandt,	*Marietta.*	No. 15, East Wing
Remembrancf Forde Bresnahan,	*Etra, N. J.*	No. 15½ East Wing
Alice Jessamine Butler,	*Wattsburg.*	South Sixth Street
Elva Sarah Coleman,	*Reynoldsville.*	Institute
John Belmont Cook,	*Forrestville, N. Y.*	No. 19, East Wing
Alexander Forest Dershimer,	*Scranton.*	No. 3, West Wing
Sylvester Dunlap,	*Montoursville.*	No. 2, West Wing
Emma Rebekah Ebling,	*Danville.*	Institute
Merle Moe Edwards,	*Lewisburg.*	Academy
Charles Fred Eisenmenger,	*Warrensville.*	No. 5, West Wing
Mansfield French Forbell,	*Lynbrook, L. I., N. Y.*	Market Street
James Villard Frampton,	*Clarion.*	No. 42, West College

NAME.	RESIDENCE.	ROOM.
HENRY PARKER FRIEND,	*Philadelphia.*	No. 18, West Wing
MARY ALMA GARRISON,	*Bridgeton, N. J.*	South Third Street
JOSEPH ELLSWORTH GLASPEY,	*Bridgeton, N. J.*	No. 19, East Wing
HANNAH GOODMAN,	*Philadelphia.*	South Third Street
ABRAM CYRUS GUNTER,	*Mt. Pleasant.*	Lewisburg
REESE HARVEY HARRIS,	*Lewisburg.*	University Avenue
SAMUEL A. HART,	*Ringtown.*	No. 8½ East Wing
FREDERIC BLAIR JAEKEL,	*Huntingdon.*	No. 52 West College
JAMES LLOYD KALP,	*Mt. Pleasant.*	No. 17, West College
WILLIAM LAWRENCE KALP,	*Mt. Pleasant.*	No. 18, West College
WALKER BRUCE KESTER,	*Curwensville.*	No. 10, West Wing
MARY LILA LONG,	*Williamsport.*	Institute
IDA EVELINE LUCHSINGER,	*West Pittston.*	Institute
WILLIAM NOGEL MARSH,	*Lewisburg.*	400 Market Street
HARRY SILL MAUSER,	*McEwensville.*	No. 23, East Wing
ROBERT SIMINGTON MOORHEAD,	*Milton.*	Milton
WALTER KREMER RHODES,	*Fairplay.*	No. 32 West Wing
GRACE BROWNING ROBERTS,	*Williamsport.*	Institute
HELEN AGATHA SELINGER,	*McKean.*	Institute
WALTER WHETMORE SENN,	*Williamsport.*	No. 35, West College
MORTON RUTHERFORD SHELDON,	*Springboro.*	No. 14, East Wing

NAME.	RESIDENCE.	ROOM.
Charlotte Elliott Shields,	*Lewisburg.*	107 North First Street
Jacob Frederick Sigel,	*Mercersburg.*	No. 52 West College
Clara Jane Slifer,	*Lewisburg.*	Lewisburg
John McKissick Snow,	*Franklin.*	No. 18, West Wing
Harvey Elmer Stabler,	*Warrensville.*	Warrensville
Cloyd Nillis Steininger,	*Lewisburg.*	No. 25, East Wing
Anna Stephens,	*Lewisburg.*	North Third Street
Ernest Launcelot Taylor,	*Luzerne.*	No. 23, East Wing
Robert Josiah Terrell,	*New York City.*	No. 13, East Wing
Martha Jane Thomas,	*Frostburg, Md.*	Institute
Carl Wayland Tiffany,	*Fleetville.*	No. 29, East Wing
Eli Slifer Walls,	*Lewisburg.*	South Third Street
Howard King Williams,	*Philadelphia.*	No. 15, West Wing
Roger Henry Williams,	*Forrest City.*	No. 15, West Wing
John Adam Young,	*New Columbia.*	No. 31, East Wing

Seniors, 55.

THE JUNIOR CLASS.

CLASS OF 1904.

NAME.	RESIDENCE.	ROOM.
Ford Dorrance Bacon,	*Harveyville.*	No. 67, West College
Blanche Allyn Bane,	*Norristown.*	Institute
Ralph Lesher Belford,	*Milton.*	Milton
Percival DeWees Browning,	*Orbisonia.*	St. George Street
Gaul Carrier,	*Summerville.*	St. George Street
Carroll Caruthers,	*Irwin.*	No. 94, West College
Haldy Miller Christ,	*Millersville.*	No. 31, East Wing
Ralph Bennie Cook,	*Vicksburg.*	Vicksburg
Thomas Edward Cule,	*Plymouth.*	South Sixth Street
Frank Garfield Daniels,	*Nanticoke.*	No. 12, East Wing
Gilbert Mason Deats,	*Pittstown, N. J.*	No. 58, West College
James G. Durham,	*Watsontown.*	Watsontown
Charles Hodge Ealy,	*Schellsburg.*	No. 16, East Wing
Rachel Edna Eddleman,	*Greensburg, Ind.*	North Third Street
Roger Saunders Edwards,	*Lewisburg.*	Academy
John Henry Eisenhauer, Jr.,	*Kelly Point.*	Kelly Point
Ralph Elliott,	*Tower City.*	No. 40, West College
Walter Scott Gearhart,	*Curwensville.*	No. 11, West Wing
Elwood F. Gilbert,	*Montoursville.*	No. 2, West Wing

NAME.	RESIDENCE.	ROOM.
Edwin Patterson Griffiths,	*Pittsburg.*	No. 78, West College
Margaret Groff,	*Lewisburg.*	Lewisburg
Velola E. Hall,	*Sharon.*	Institute
Julius Robert Hayes,	*Montoursville.*	No. 40, West College
John Edward Heidenreich,	*Mahanoy City.*	St. George Street
John Erb Hunsberger,	*Ephrata.*	No. 5, East Wing
Clarence Miller Hursh,	*Mifflinburg.*	No. 32 East Wing
John C. Johnson,	*Red Top.*	Red Top
Albert George Karge,	*Camden, N. J.*	No. 18, East Wing
Royal Ivan Knapp,	*Lake Pleasant.*	No. 30, West Wing
John Arthur Knupp,	*Penbrook.*	No. 7, West College
Grace Belle Lesher,	*Northumberland.*	South Fourth Street
Lena Ruth Lesher,	*Northumberland.*	South Fourth Street
Maurice Caldwell McGiffen,	*Brookville.*	No. 29, West College
William Muench Martz,	*Crowl.*	No. 34, West College
Ebenezer Edward Morris,	*Mahanoy City.*	No. 50, West College
Charles R. Myers,	*Lewisburg.*	North First Street
Harold Perrine,	*Lewisburg.*	No. 1 First Street
Elizabeth Eva Reed,	*Lewisburg.*	North Third Street
Chester Benjamin Renn,	*Unityville.*	No. 19, West Wing
William Edward Roberts,	*Frackville.*	No. 82, West College

NAME.	PESIDENCE.	ROOM.
Louis William Robey,	*Baltimore, Md.*	No. 5, West Wing
David Wallace Robinson,	*Moorcsburg.*	No. 12, West Wing
Olive Schillinger,	*Martin's Ferry, O.*	Institute
Harris Alvin Spotts.	*Muncy.*	No. 19, West College
John Henry Stahl,	*Milton.*	Milton
Alif Stephens,	*Lewisburg.*	North Third Street
Ruth Stephens,	*Lewisburg.*	North Thrd Street
Norman D. Sturges,	*Rendham.*	No. 74, West College
Dean Marvin Sutton,	*Union City.*	No. 22, East Wing
Charles Milton Teufel,	*Milton.*	Milton
Robert William Thompson,	*Irwin.*	No. 17, East Wing
Lloyd Webster,	*East New Market, Md.*	No. 59, West College
Benjamin Franklin White, Jr.,	*Bradford.*	No. 61, West College
Charles Gabriel Whitehead,	*Williamsport.*	No. 41, West College
Walter Samuel Wilcox,	*Canton.*	St. George Street
Elizabeth Alvina Williams,	*Lansford.*	South Fourth Street
Clyde Dale Wolfe,	*Lewisburg.*	Lewisburg

Juniors, 57.

THE SOPHOMORE CLASS.

CLASS OF 1905.

NAME.	RESIDENCE.	ROOM.
Cottie Gudila Albright,	*Lewisburg.*	North Fourth Street
Frank Ellsworth Ammon,	*Strode's Mill.*	No. 16, East Wing
John Calvin Anderson,	*Butler.*	No. 77, West College
Jeremiah Stamey Ausherman,	*Duffield.*	No. 17, East Wing
William Andrew Bartol,	*Lewisburg.*	University Avenue
Emory Oliver Bickel,	*West Milton.*	West Milton
Joseph S. Bittenbender,	*Nanticoke.*	No. 38, West College
Roy Grier Bostwick,	*Du Bois.*	No. 85, West College
Ray Preston Bowen,	*Wellsboro.*	No. 84, West College
Mary Isabel Bower,	*Lewisburg.*	South Sixth Street
Ferne Frick Braddock,	*Mt. Pleasant.*	Institute
Laverda Adelia Burgart,	*Altoona.*	Institute
Edward Milton Campbell,	*Butler.*	No. 77, West College
Maud Mabel Capwell,	*Scranton.*	Institute
George Washington Cheesman,	*Gloucester City, N. J.*	No. 18, West Wing
George Washington Cockill,	*Glen Carbon.*	No. 21, East Wing
Harry Allen Coryell,	*Shamokin Dam.*	No. 26, West College
Zaccheus Daniel,	*Hawthorn.*	No. 2, East Wing
George Creswell Davis,	*Milton.*	Milton

NAME.	RESIDENCE.	ROOM.
William Luther Dentler,	*Watsontown.*	Watsontown
James Edward Elliott,	*New Castle.*	No. 71, West College
Charles Rowe Fish,	*Boston, Mass.*	No. 34, West College
*Samuel Eugene Flack,	*Lairdsville.*	No. 19, West Wing
John Henry Flood,	*Bridgeton, N. J.*	No. 29, East Wing
Margaret Forgeus,	*Huntingdon.*	Institute
Clarence Lynn Fry,	*Harrisburg.*	No. 63, West College
Edmund Roy Gardner,	*McKeesport.*	No. 80, West College
Samuel Gemberling,	*New Columbia.*	New Columbia
William Wellwood Gill,	*Wilkinsburg.*	24, East Wing
William S. Gilmore,	*Montgomery.*	No. 29, West Wing
Nellie May Goddard,	*Lewisburg.*	South Water Street
Lynn Sumner Goodman,	*Loganton.*	No. 23, West College
William Amos Warren Grier,	*Salem, N. J.*	No. 6, East Wing
Ralph Fletcher Griffiths,	*Pittsburg.*	No. 78, West College
John Charles Groff,	*Lewisburg.*	Lewisburg
Levi Morrill Hainer,	*Norristown.*	No. 28, West Wing
Roy Hanna,	*Bradford.*	No. 26, West Wing
Frederick B. Harding,	*Milton.*	Milton
Norman Elwood Henry,	*Williamsport.*	No. 28, West Wing

*Deceased.

NAME.	RESIDENCE.	ROOM.
Phares Gross Hess,	*Manheim.*	No. 5, East Wing
Ralph Jacob Hess,	*Williamsport.*	No. 56, West College
Clara Maude Hummel,	*Kratzerville.*	Lewisburg
Elmer Azima Hummel,	*Kratzerville.*	Lewisburg
Laura Mae Hummel,	*Kratzerville.*	Lewisburg
Lewis Columbus Hylbert,	*Clarksburg, W. Va.*	No. 11, East Wing
Erskine Jarrett,	*Montgomery.*	No. 29, West Wing
Nellie Estella Johnson,	*Mount Carmel.*	Institute
Herbert Leroy Jones,	*Carnegie.*	No. 17, West Wing
Edith Hedges Kelly,	*Lewisburg.*	South Third Street
Robert Odillon Klotz,	*Lansford.*	No. 25 West College
Harold Voneida Lesher,	*Northumberland.*	South Fourth Street
Donald Rockefeller McCain,	*Philadelphia.*	No. 57, West College
Francis Leroy McCauley,	*Horseheads, N. Y.*	No. 30, West Wing
Jessie McFarland,	*Watsontown.*	Watsontown
Joseph Frederic McMurray,	*Burlingame.*	No. 21, West Wing
Robert Bruce Mackey,	*Waverly.*	No. 24, West College
James Cooper Madden, Jr.,	*Jeannette.*	No. 20, West Wing
Charles Stephen Marsh,	*New Bethlehem.*	No. 2, East Wing
Elizabeth Briton Meek,	*Allenwood.*	Allenwood
Earl Austin Morton,	*Dravosburg.*	No. 79, West College

NAME.	RESIDENCE.	ROOM.
Inez Edna Olds,	*Elmhurst.*	University Avenue
Clarence Ira Phillips,	*Turbotville.*	No. 28, East Wing
Milton Hayden Parry Prout,	*Wiconisco.*	St. George Street
Lee Russell Ranck,	*Lewisburg.*	South Third Street
Texie Eleanor Reeder,	*Edinboro.*	Institute
Roberts Dale Royer,	*Huntingdon.*	No. 44, West College
John Calvin Sanders,	*Vicksburg.*	Vicksburg
Charles Henry Scheick,	*Uniontown.*	No. 8, West College
Blaine Walter Scott,	*Monongahela.*	No. 72, West College
Samuel Major Seibert,	*Coudersport.*	No. 7, East Wing
James Fay Shipman,	*Sunbury.*	No. 17, East Wing
Robert Francis Sheppard,	*Cedarville, N. J.*	No. 6, East Wing
Ruth Amelia Shorkley,	*Lewisburg.*	South Third Street
Paul Garfield Smith,	*Harrisburg.*	No. 8, West Wing
Pearl Lois Smith,	*Erie.*	South First Street
Clark Snyder,	*Bloomsburg.*	29, West Wing
Anthony Steinhilper,	*Warrensville.*	No. 21, West Wing
Eva Blanche Stoner,	*Alverton.*	Institute
James Strimple, Jr.,	*Pedricktown, N. J.*	No. 20, East Wing
James Taggart,	*Frackville.*	No. 81, West College
Nellie Thomas,	*Philipsburg.*	Institute

NAME.	RESIDENCE.	ROOM.
HAROLD EDWARD TIFFANY,	*Lewisburg.*	South Sixth Street
ALBERT OGDEN VORSE,	*Lewisburg.*	North Fourth Street
CLIFFORD VERNON WILLIAMSON,	*Salladasburg.*	No. 9, West Wing
THOMAS WOOD,	*Muncy.*	No. 45, West College

SOPHOMORES, 85.

THE FRESHMAN CLASS.

CLASS OF 1906.

NAME.	RESIDENCE.	ROOM.
FLORENCE LOUISE BACON,	*Canton.*	Institute
EDITH ANNA BAILEY,	*Wellsboro.*	Institute
JAMES RILEY BAILEY,	*Greensburg.*	No. 14, East Wing
GENUS EBERT BARTLETT,	*Webster, W. Va.*	No. 11, East Wing
AMOS ETHAN BARTON,	*Vilas.*	No. 13, West Wing
EDWIN ANTHONY BEAVER,	*Huntingdon.*	No. 91, West College
SAMUEL JAMES BLACK,	*Franklin.*	No. 68, West College
ELBERT LITTLE BLAKESLEE,	*Montrose.*	Market Street
SOPHIA LOUISA BODLER,	*Germania.*	Institute
NORRIS LEVIS BROWN,	*West Chester.*	No. 30, West Wing
RALPH BURD,	*Sunbury.*	Sunbury
MARY ISABEL CAMPBELL,	*Kane.*	Institute

NAME.	RESIDENCE.	ROOM.
John Ira Catherman,	*Lewisburg.*	St. Louis Street
Joseph Leighton Challis,	*Waverly.*	No. 23½ West Wing
Burleigh Claypool,	*Kittanning.*	No. 6, West Wing
Florence Jeannette Cobb,	*Coudersport.*	Institute
Catherine Mary Colvin,	*Craig.*	University Avenue
Harold Newton Cole,	*DuBois.*	No. 44, West College
Clarence Burnap Comstock,	*Grover.*	No. 19, West Wing
William Thomas Coverdale,	*Lewisburg.*	South Sixth Street
William Eugene DeMelt,	*South Westerlo, N. Y.*	South Third Street
John Grover Denninger,	*Great Valley, N. Y.*	No. 27, West Wing
George Louis DeWald,	*Hartley Hall.*	No. 27, East Wing
Linn Clark Drake,	*Tunkhannock.*	No. 23, West Wing
Leonard Harrison English,	*Wellsboro.*	No. 15, East Wing
Benjamin Garfield Evans,	*Mahanoy City.*	No. 81, West College
Jessica Evans,	*Montandon.*	Montandon
Eri Madison Farr,	*Muncy.*	No. 40, West College
Andrew Curtis Feinour,	*Lewisburg.*	Lewisburg
Calvin Chester Fleming,	*Wellsboro.*	No. 21, East Wing
Fred Voris Follmer,	*Milton.*	Milton
Sara Cyrena Furman,	*Wellsboro.*	Institute
Benajah Jack Gardner,	*Factoryville*	No. 23, West Wing

NAME.	RESIDENCE.	ROOM.
George McCracken Gaskill,	*Newport, N. J.*	No. 90, West College
Maurice Frank Goldsmith,	*Carnegie.*	No. 32, West Wing
John Wallace Greene,	*Norristown.*	No. 92, West College
Ruth Hammitt,	*Philadelphia.*	Institute
Bessie Ella Harpel,	*Mt. Carmel.*	Institute
Romaine Hassrick,	*Muncy.*	No. 22, West College
Armel Boltz Heffling,	*Mt. Pleasant.*	No. 20, East Wing
John Franklyn Hennessy,	*Irwin.*	No. 77, West College
Henry Claude Hoffa,	*Lewisburg.*	North Seventh Street
Leroy Kirkendall Honeywell,	*Plymouth.*	No. 7, East Wing
Leroy W. Hoon,	*Monongahela.*	No. 17, West College
Charles McCallum Howell, Jr.,	*Northumberland.*	No. 41, West College
William Nevin Hunter,	*Williamsport.*	No. 9, West Wing
Edna Ann Innes,	*Canton.*	Institute
Edwin Gilmore Jack,	*Berwick.*	6, East Wing
Archibald Sidney Jacob,	*Nanticoke.*	No. 10, West College
Walter Jarrett,	*Sunbury.*	Sunbury
Henry Jones,	*Plymouth.*	No. 7, East Wing
Rachel Allie Kanarr,	*Lancaster.*	South Fifth Street
Augustus Sheridan Kech,	*Snow Shoe.*	No. 26, East Wing
Charles Barton Keebler,	*Oakmont.*	No. 30, West College

NAME.	RESIDENCE.	ROOM.
Clyde Treon Kiess,	*Hughesville.*	No. 27, East Wing
Oscar J. Kingsbury,	*Nanticoke.*	No. 10, West College
Charles Aaron Knupp,	*Penbrook.*	No. 7, West College
Edith E. Lane,	*Ulysses.*	Institute
Frederick William Laub,	*Philadelphia.*	No. 56, West College
William Jacob Lehman,	*DuBois.*	No. 12, East Wing
Robert Benjamin Leighou,	*Northumberland.*	No. 32, East Wing
Joseph Cipriano Macro,	*Reynoldsville.*	No. 29, West Wing
Grace Lenore Meek,	*Reynoldsville.*	Institute
Henry Taylor Meyer,	*Rebersburg.*	No. 80, West College
Florence A. McCaskie,	*Milburn, N. J.*	Institute
Clay Montgomery McCormick,	*Lock Haven.*	No. 35, West College
Harry Lyman Miller,	*Wiconisco.*	No. 6, East Wing
Carl Lyon Millward,	*Mt. Pleasant.*	No. 30, East Wing
Mary Montfort Moll,	*Mahanoy City.*	Institute
Martha Antoinette Morris,	*Hightstown, N. J.*	Institute
Charles Clyde Morrison,	*Mt. Pleasant.*	No. 45, West College
John Harry Mulliner,	*Williamsport.*	No. 28, East Wing
Henry Clay Munro,	*White Hall.*	No. 21, West Wing
Arthur Irwin Murphy,	*Pittsburg.*	No. 29, West College
Augustus Neill,	*Monongahela.*	No. 18, West College

NAME.	RESIDENCE.	ROOM.
David Noble, Jr.,	*Brooklyn, N. Y.*	No. 19, West Wing
John Jenkins Owens, Jr.,	*Scranton.*	No. 21, West Wing
James Theodore Park,	*Montandon.*	Montandon
Harry Mark Parmley,	*Mahanoy City.*	No. 86, West College
Daisy Van Syckel Parsons,	*Canton.*	Institute
Homer D. Pease,	*Scranton.*	No. 23, West Wing
Dean E. Phelps,	*Mansfield.*	No. 4, East Wing
Benjamin Earl Phillips,	*Brinkerton.*	No. 16, West Wing
William Wallace Portser,	*Greensburg.*	No. 32, West College
Helen Elizabeth Rickabaugh,	*Altoona.*	Institute
Carrie Roos,	*Lewisburg.*	South Sixth Street
Charles Miller Rose,	*Mansfield.*	No. 4, West Wing
Edwin Warren Rumsey,	*Lewisburg.*	South Seventh Street
Mary Elizabeth Seaman,	*Allentown.*	Institute
Maud Joanna Schubert,	*Bradford.*	Institute
Penrose Herr Shelly,	*Port Royal.*	No. 3, West Wing
Horace Jones Sheppard,	*Cedarville, N. J.*	No. 33, East Wing
James Leigh Shields,	*Lewisburg.*	North First Street
Frank Carrier Shirley,	*Clarion.*	No. 85, West College
Edgar D. Shoemaker,	*Lock Haven.*	No. 76, West College
John Daniel Peck Smithgall,	*Trout Run.*	No. 24, West College

NAME.	RESIDENCE.	ROOM.
Lucretia Garfield Snyder,	*Dunmore.*	Institute
Phaon Hermany Snyder,	*Mahanoy City.*	No. 82, West College
Donald Bare Spanogle,	*Lewistown.*	No. 36, West College
Dickson Shaw Stauffer,	*Mt. Pleasant.*	No. 3, East Wing
Harry Thomas Stevenson,	*Sharon.*	No. 26, West College
Frank Laton Stuart,	*Vandergrift.*	No. 30, West Wing
Corabell Suiter,	*Lock Haven.*	Institute
Alfred Loomis Taylor,	*Irwin.*	No. 93, West College
James Slifer Thatcher,	*Lewisburg.*	No. 24, West Wing
Edward Dwight Thomas,	*Lansford.*	No. 23, West College
Ardis Clair Thompson,	*Franklin.*	No. 43, West College
Sarah Ella Unger,	*Union Corner.*	Institute
Abraham Pierce Waltz,	*Elimsport.*	No. 2, East Wing
William Clyde Westcott,	*Union City.*	No. 33, West College
Courtney A. Wheeler,	*Titusville.*	No. 32, East Wing
Charles Henry Whittaker,	*Coudersport.*	No. 11, West Wing
Athol Vern Wise,	*New Millport.*	No. 26, East Wing
Chester Lyle Wynne,	*Warwick.*	No. 15, East Wing
Carl Shultz Yingling,	*Jersey City, N. J.*	No. 21, East Wing
Frank Landis Yost,	*Lock Haven.*	No. 76, West Wing

Freshmen, 116.

PURSUING SPECIAL STUDIES.

NAME.	RESIDENCE.	ROOM.
Estella May Albright,	*Mifflinburg.*	Market Street
Ralph Lesher Belford,	*Milton.*	Milton
Harry Wilson Bovard,	*Kittanning.*	No. 18, East Wing
Robert B. Buoy,	*Milton.*	No. 25, West College
Charles David Cooper,	*Adamstown.*	No. 31, West Wing
Oscar Protheroe Davies,	*Scranton.*	No. 74, West College
William L. Donehower,	*Lewisburg.*	Market Street
Edwin Wingert Gundy,	*Lewisburg.*	Lewisburg
William Carpenter Kelly,	*Lewisburg.*	Market Street
Milton Levi Kocher,	*Dallas City.*	12, West College
Edward Franklin Leinbach,	*Reading.*	Market Street
John Levering Livezey,	*Philadelphia.*	No. 20, West College
Harry B. Magee,	*Clarion.*	No. 46, West College
Thomas J. McCabe,	*Mahanoy City.*	No. 6, West Wing
Carrie Mae McCaskie,	*Milburn, N. J.*	Institute
Harry Edward McCormick,	*Philadelphia.*	No. 11, West College
William Gray Murdock,	*Milton.*	Milton
Arthur Judson Pearse,	*Ashtabula, Ohio.*	No. 54, West College
Vernon Nelson Robbins,	*St. Paul, Minn.*	No. 14, East Wing
Ralph William Shields,	*New Milford.*	No. 29, East Wing

NAME.	RESIDENCE.	ROOM.
JOHN BEISEL SMILEY,	*Titusville.*	No. 69, West College
EDWIN NEVIN WALLACE,	*New Berlin.*	Lewisburg
MARTHA WOLFE,	*Lewisburg.*	South Third Street
SAMUEL MATEER WOLFFE,	*Kittanning.*	No. 8, East Wing
	SPECIALS, 24.	

SUMMARY.

Graduate Students,	71
The Senior Class,	55
The Junior Class,	57
The Sophomore Class,	85
The Freshman Class,	116
Pursuing Special Studies,	24
Total in the College,	408

Admission.

TO FRESHMAN STANDING.

EXAMINATIONS.

Examinations for admission to the Freshman Class will be held on Monday of Commencement week. Candidates will assemble in Bucknell Hall at 8.30 A. M.

Similar examinations are also held on the day preceding the opening of each term. In special cases candidates may be examined and admitted at other times in the year.

There must be furnished to the President by the candidate satisfactory testimonials of good moral character, and, if from another college, a certificate of honorable dismission must be presented.

The required age for admission to the Freshman Class is fifteen years.

I. GENERAL REQUIREMENTS.

Candidates for admission to any of the courses must pass examinations in the following:

1. English.

a. Writing from dictation.

b. English Grammar.

c. Elements of Rhetoric—Invention, Style, and Punctuation.

d. A brief composition upon a subject assigned at the time of the examination. No candidate will be accepted in English whose work is notably defective in spelling, punctuation, idiom, or division into paragraphs.

e. **Reading**—A certain number of books are set for reading. The candidate will be required to present evidence of a general knowledge of the subject matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise

book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of Rhetoric.

In 1903, 1904, and 1905: Shakspere's Merchant of Venice and Julius Cæsar, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Coleridge's Ancient Mariner, Scott's Ivanhoe, Carlyle's Essay on Burns, Tennyson's Princess, Lowell's Vision of Sir Launfal, and George Eliot's Silas Marner.

f. **Study and Practice.**—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure.

The books set for this part of the examination will be:

In 1903, 1904, and 1905: Shakspere's Macbeth, Milton's Lycidas, Comus, L'Allegro, and Penseroso, Burke's Speech on Conciliation with America, and Macaulay's Essays on Milton and Addison.

The candidate is encouraged to do reading parallel and subsidiary to the books mentioned above; he is recommended to commit to memory as much English poetry as possible, and to pay close attention to the essentials of Grammar.

2. Mathematics.

a. Arithmetic, including the Metric System;

b. Algebra, including Quadratic Equations. The requirements in this study are intended to include the treatment of Radicals, and will be most nearly met by the use of Wells' University Algebra;

c. Plane Geometry as in Wentworth.

3. Latin.

a. Latin Grammar—Allen and Greenough's, Harkness', or Bennett's;

b. Latin Prose Composition;

c. Four Books of Cæsar's Commentaries.

4. History.

a. History of Greece;

b. History of Rome;

c. History of the United States.

5. Science.

a. Physiology;

b. Physics;

c. Geography—Descriptive and Political, and Physical.

6. Free-hand Drawing.

II. PARTICULAR REQUIREMENTS.

A. To enter the Classical Course, the candidate, in addition to the General Requirements, must pass examinations in the following:

1. Greek.
   - *a.* Greek Grammar—Hadley and Allen's or Goodwin's;
   - *b.* The equivalent of Jones' Greek Prose Composition—(20 lessons);
   - *c.* Greek Reader;
   - *d.* Four Books of Xenophon's Anabasis;
   - *e.* Three Books of Homer's Iliad.

2. Latin.
   - *a.* Seven Orations of Cicero;
   - *b.* Six Books of the Æneid.

B. To enter the Latin division of the Philosophical Course, the candidate, in addition to the General Requirements, must pass examination in the following:

1. Latin.
   - *a.* Seven Orations of Cicero;
   - *b.* Six Books of the Æneid.

2. Any six units selected from group F.

C. To enter the Greek division of the Philosophical Course, the candidate, in addition to the General Requirements, must pass examination in the following:

1. Greek.
   - *a.* Greek Grammar—Hadley and Allen's or Goodwin's;
   - *b.* The equivalent of Jones' Greek Prose Composition—(20 lessons);
   - *c.* Greek Reader;
   - *d.* Four Books of Xenophon's Anabasis;
   - *e.* Three Books of Homer's Iliad.

2. Any six units selected from Group F.

D. To enter the Scientific Course, the candidate in addition to the General Requirements, must pass examination in the following:

1. German or French.

The Grammar of the Language, Composition, and Translation at sight of easy prose.

2. Any nine units selected from group F.

E. To enter the Course in Civil Engineering, the candidate, in addition to the General Requirements, must pass examination in the following:

1. German or French.

The Grammar of the Language, Composition, and Translation at sight of easy prose.

2. Solid Geometry.

3. Any eight units selected from group F.

F. Candidates for admission to the Philosophical Course or to the Scientific Course must present in the case of the former, six units, in case of the latter, nine units, and candidates for the Course in Civil Engineering, eight units, selected from the following:

English Literature as in Pancoast; History of Modern Europe as in Myers' General History; History of England as in Gardiner; Civics as in Macy, Zoölogy as in Packard's Elements; Physiography as in Davis; Botany as in Gray; Geology as in Le Conte's Elements; Astronomy as in Young's Lessons; Solid Geometry; Chemistry with Laboratory practice; French (three units); German (three units).

The time requirement for a unit is five hours a week for a term of twelve weeks.

Satisfactory equivalents for the text-books named will be accepted.

ADMISSION ON CERTIFICATE.

Graduates of Bucknell Institute, in any of the Courses will be admitted to the Sophomore year of the corresponding Course in the College.

Graduates from Bucknell Academy, in any of the Courses, will be admitted to the corresponding Courses in the College upon the Diploma of the Academy.

Graduates of Pennsylvania State Normal Schools are admitted to the General Science Course without examination.

Certificates of the *College Entrance Examination Board for the Middle States and Maryland* are accepted for admission.

Students who have completed a course of study in **Preparatory and High Schools** of superior standing may be admitted upon the certificate of the Principal of the school from which they come without examination upon the subjects specified in the certificate.

All students received upon certificate are regarded as in conditional standing, and will not be matriculated unless their work during the first

ten weeks of the term shall show that their preparation has been sufficiently thorough.

SPECIAL STUDENTS.

Students who do not desire to take a full regular course can enter and select special shorter courses with the sanction of the Faculty; but in all cases, satisfactory examinations must be passed upon the subjects required for admission to the Freshman Class of the Course from which they intend to select.

ADVANCED STANDING.

I. General Requirements. A proportionate increase of age is required for admission to advanced classes over that required for admission to Freshman standing. Other general requirements are the same as for admission to the Freshman Class.

II. Particular Requirements. Candidates for admission to advanced classes are examined both as for admission to Freshman standing and also on the studies that have been pursued by the class which they desire to enter.

MATRICULATION.

Matriculation gives membership in the College and is a condition precedent to all degrees and honors as well as to honorable dismission. No student is admitted to matriculation until he has shown by his classwork during at least ten weeks and by his deportment that he is worthy of membership in the College.

HONORABLE DISMISSION.

No person will be dismissed from the College as in good standing who leaves it while under censure; and papers of dismission given to those leaving while under a condition shall either be given as of a date anterior to the term during which that condition was incurred, or shall distinctly mention the condition; nor will honorable dismission be granted to any student who has not discharged all his pecuniary obligations to the institution.

No certificate or statement as to work done in his department is granted by any professor or instructor to an undergraduate.

COURSES OF STUDY.

The Bucknell College offers four Courses of study leading to degrees in Arts, Philosophy, and Science. Each of the Courses extends through four years. For the Bachelor's degree, thirty-six courses, each of one term five hours a week must be presented, as well as the prescribed work in oral and written Expression, the former of which extends through two years of the course and the latter through four years.

I. The Classical Course, leading to the degree of Bachelor of Arts, aims to furnish a liberal education in classical and modern Literature, in the Sciences and Arts. Candidates for the degree of Bachelor of Arts must present at least three courses in German and French.

II. The Philosophical Course, with Latin or Greek in each of its two divisions, aims to furnish a thorough training in advanced studies to those who desire to pursue but one of the Ancient Languages. Those who have completed the studies of the Course, including not less than four courses of German and French, are admitted to the degree of Bachelor of Philosophy. But a candidate who offers eight College courses in either of the Ancient Classical languages may receive the degree of Bachelor of Arts.

III. The General Science Course, leading to the degree of Bachelor of Science, is substantially the same as the Philosophical Course, with the substitution of additional Modern Language and Scientific Studies for Latin and Greek. Candidates for the degree of Bachelor of Science must present at least one year of German or French for admission and at least four courses of college work in German and French as requisites for graduation.

IV. The Course in Civil Engineering, leading to the degree of Bachelor of Science in Civil Engineering, covers four years of work in Pure and Applied Mathematics, Chemistry, and Technology. No one is admitted to the Degree of Bachelor of Science in Civil Engineering if his average standing for the Course is below nine.

V. Advanced Courses in Literature, Philosophy, and Science have been established, leading respectively to the degree of Master of Arts, and Master of Science.

The Master's degree is conferred only on condition that the candidate has completed a Course of Liberal study, approved by the Faculty, sufficient in amount to constitute a fifth year of college work. Particulars may be learned by addressing the President.

CURRICULA.

1. THE CLASSICAL COURSE.

Leading to the Degree of Bachelor of Arts.

FRESHMAN YEAR.

I. TERM— Geometry, Algebra, Cicero de Senectute and Livy, Odyssey, Greek Prose Composition, — Lectures on Rhetoric, English Composition, Elocution

II. TERM— Algebra, Plane Trigonometry, Livy, Lysias' Orations, Greek Testament, — Lectures on Rhetoric, English Composition, Elocution.

III. TERM— Analytical Geometry, Spherical Trigonometry, Velleius and Pliny, Plato's Apology, Greek Testament, — Lectures on Rhetoric, English Composition, Elocution.

SOPHOMORE YEAR.

I. TERM—Rhetoric, Horace, *Greek History, Chemistry, or Surveying,* — Linear Perspective, English Composition, Elocution.

II. TERM—English Literature, Demosthenes, — Astronomy, Elocution. English Composition,

ELECTIVE STUDIES:

Roman History, Latin, 6 *or* 11, *Chemistry,* 2, *Differential Calculus, Physiology.*

III. Term—German, English Composition,
History of Art, Elocution.

Elective Studies:

English Oratory, *Anthropology,*
Oratorical Delivery, *Botany,*
Juvenal, *Chemistry,* 3,
American Civics, *Integral Calculus,*
Elements of Law.

JUNIOR YEAR.

I. Term—Psychology, History of Education,
French, Orations.

Elective Studies:

Æschylus and Sophocles, *Real Property,*
Latin, 8 *or* 10, *Physiological Psychology,*
English, 6 *or* 7, *Biology,*
German, *Embryology,*
Spanish, *Sanitary Science,*
History, 9, *Chemistry,* 4,
History, 10, *Higher Analytics,*
Sociology, *Mechanics,*

II. Term—Ethics, History of Philosophy,
Orations.

Elective Studies:

Euripides, *Logic,*
Latin Poets, *Advanced Composition,*
German, *Comparative Psychology,*
French, *Zoölogy of Invertebrates,*
Spanish, *Animal Histology,*
English Bible, *Human Anatomy,*
History, 11, *Chemistry,* 5,
History of Art, *English,* 8,
Contracts, *Mathematics,* 13,
Railroad Transportation, *Physics.*

III. Term—Theism, Geology,
Orations.

Thomas Arkle Clark

ELECTIVE STUDIES:

Greek, 8,
Greek, 13.
Latin, 9 *or* 12,
Journalism,
German,
French,
Spanish,
English Bible,
Money and Banking,
Equity,
Zoölogy of Vertebrates,
Cryptogamic Botany,
Bacteriology,
Neurology,
Chemistry, 6,
Astronomy,
Physics.

SENIOR YEAR.

I. TERM—Hebrew Literature, Orations.

ELECTIVE STUDIES:

Greek Testament,
Latin, 8 *or* 10,
Anglo-Saxon,
English, 4 *or* 9,
German,
Medieval History,
Criminal Law,
International Law,
Comparative Anatomy,
Chemistry, 7,
Geology,
Geodetic Astronomy.

II. TERM—Greek Literature, Orations.

ELECTIVE STUDIES:

Demosthenes de Corona,
Greek Testament,
Latin, 6 *or* 11,
Chaucer,
French,
Philosophy of Mind,
History of Europe,
Torts,
Economics,
Municipal Government,
Chemistry, 8,
Materia Medica.

III. TERM—Literature, Orations.

ELECTIVE STUDIES:

Plato, Phaedo,
Greek Testament,
Latin, 9 *or* 12,
German,
Shakspere,
Metaphysics,
History of Europe,
Comparative Politics,
Constitutional Law,
Practice,
Private Corporations,
Public Finance,
Chemistry, 9,
Economic Geology.

II. THE PHILOSOPHICAL COURSE.

Leading to the Degree of Bachelor of Philosophy.

A. Latin Division.

FRESHMAN YEAR.

I. Term—	Geometry, Algebra, Cicero de Senectute and Livy, German,	Lectures on Rhetoric, English Composition, Elocution.
II. Term—	Algebra, Plane Trigonometry, Livy, German,	Lectures on Rhetoric, English Composition, Elocution.
III. Term—	Spherical Trigonometry, Analytical Geometry, Velleius and Pliny, French,	Lectures on Rhetoric, English Composition, Elocution.

SOPHOMORE YEAR.

I. Term—	Rhetoric, Horace, *German,* or *Greek History,* or *Chemistry,* 1, or *Surveying,*	Linear Perspective, English Composition, Elocution.
II. Term—	English Literature, Astronomy,	English Composition, Elocution.
	Elective Studies:	
	Roman History, *Latin,* 6 *or* 11, *German,* *French,*	*Physiology,* *Chemistry,* 2, *Differential Calculus.*
III. Term—	American Civics, History of Art,	English Composition, Elocution.

ELECTIVE STUDIES:

English Oratory,
Oratorical Delivery,
Juvenal,
German,
French,
Anthropology,
Elementary Law,
Botany,
Chemistry, 3,
Integral Calculus.

JUNIOR YEAR.

I. TERM—Psychology, History of Education,
Orations.

ELECTIVE STUDIES:

Latin, 8 *or* 10,
German,
French,
Spanish,
English, 6 *or* 7,
History, 9,
History, 10,
Sociology,
Real Property,
Physiological Psychology,
Biology,
Embryology,
Sanitary Science,
Chemistry, 4,
Higher Analytics,
Mechanics.

II. TERM—Ethics, History of Philosophy,
Orations.

ELECTIVE STUDIES:

Latin Poets,
English, 8,
German,
French,
Spanish,
English Bible,
History, 11,
Railroad Transportation,
Contracts,
Logic,
Advanced Composition,
Comparative Psychology,
Zoölogy of Invertebrates,
Animal Histology,
Human Anatomy,
Chemistry, 5,
Mathematics, 13,
Physics.

III. TERM—Theism, Geology,
Orations.

ELECTIVE STUDIES:

Greek, 8,
Latin, 9 *or* 12,
Journalism,
German,
French,
Spanish,
English Bible,
Money and Banking,
Equity,
Cryptogamic Botany,
Zoölogy of Vertebrates,
Bacteriology,
Neurology,
Chemistry, 6,
Astronomy,
Physics.

SENIOR YEAR.

I. TERM—Hebrew Literature, Orations.

ELECTIVE STUDIES:

Latin, 8 *or* 10,
German,
Anglo-Saxon,
English, 4 *or* 9,
Medieval History,
Criminal Law,
International Law,
Comparative Anatomy,
Chemistry, 7,
Geology,
Geodetic Astronomy.

II. TERM—Greek Literature, Orations.

ELECTIVE STUDIES:

Latin, 6 *or* 11,
Chaucer,
German,
French,
Philosophy of Mind,
History of Europe,
Torts,
Economics,
Municipal Government,
Chemistry, 8,
Materia Medica.

III. TERM—Literature, Orations.

ELECTIVE STUDIES:

Latin, 9 *or* 12,
German,
Shakspere,
Metaphysics,
History of Europe,
Comparative Politics,
Constitutional Law,
Practice,
Private Corporations,
Public Finances,
Chemistry, 9,
Economic Geology.

THE PHILOSOPHICAL COURSE.

B. Greek Division.

FRESHMAN YEAR.

I. Term— Geometry, Algebra, Odyssey, German, — Lectures on Rhetoric, English Composition, Elocution.

II. Term— Algebra, Plane Trigonometry, Lysias' Orations, Greek Testament, German, — Lectures on Rhetoric, English Composition, Elocution.

III. Term— Spherical Trigonometry, Analytical Geometry, Plato's Apology, Greek Testament, French, — Lectures on Rhetoric, English Composition, Elocution.

SOPHOMORE YEAR.

I. Term—Rhetoric, Greek History, *German,* or *Chemistry, Course* 1, or *Surveying,* — Linear Perspective, English Composition, Elocution.

II. Term—English Literature, Demosthenes, Astronomy, — English Composition, Elocution.

Elective Studies:

German, *French,* *Roman History,* — *Physiology,* *Chemistry, Course* 2, *Differential Calculus.*

III. Term—American Civics, History of Art, — English Composition, Elocution.

Electives:

English Oratory, *Oratorical Delivery,* *German,* *French,* — *Elements of Law,* *Botany,* *Chemistry,* 3, *Integral Calculus,* *Anthropology.*

JUNIOR YEAR.

I. Term—Psychology, History of Education,
Orations.

Elective Studies:

Æschylus and Sophocles,
German,
French,
Spanish,
English, 6 *or* 7,
History, 9,
History, 10,
Sociology,
Real Property,
Physiological Psychology,
Biology,
Embryology,
Sanitary Science,
Chemistry, 4,
Higher Analytics,
Mechanics.

II. Term—Ethics, History of Philosophy,
Orations.

Elective Studies:

Euripides,
German,
French,
Spanish,
English, 8,
English Bible,
History, 11,
Railroad Transportation,
Contracts,
Logic,
Advanced Composition,
Comparative Psychology,
Zoölogy of Invertebrates,
Animal Histology,
Human Anatomy,
Chemistry, 5,
Mathematics, 13,
Physics.

III. Term—Theism, Geology,
Orations.

Elective Studies:

Greek, 8,
Greek, 13,
Journalism,
German,
French,
Spanish,
English Bible,
Money and Banking,
Equity,
Zoölogy of Vertebrates,
Cryptogamic Botany,
Bacteriology,
Neurology,
Chemistry, 6,
Astronomy,
Physics,

SENIOR YEAR.

I. TERM—Hebrew Literature, Orations,

ELECTIVE STUDIES:

Greek Testament,
English, 4 or 9,
Anglo-Saxon,
German,
Medieval History,
Criminal Law,
International Law,
Comparative Anatomy,
Chemistry, 7,
Geology,
Geodetic Astronomy.

II. TERM—Greek Literature, Orations,

ELECTIVE STUDIES:

Demosthenes de Corona,
Greek Testament,
Chaucer,
French,
Philosophy of Mind,
History of Europe,
Roman Law,
Torts,
Economics,
Municipal Government,
Chemistry, 8,
Materia Medica.

III. TERM—Literature, Orations,

ELECTIVE STUDIES:

Plato's Phaedo,
Greek Testament,
German,
Shakspere,
Metaphysics,
History of Europe,
Comparative Politics,
Constitutional Law,
Practice,
Private Corporations,
Public Finance,
Chemistry, 9.
Economic Geology.

III. THE GENERAL SCIENCE COURSE.

Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

I. TERM— { Geometry, Algebra, Cornelius Nepos, German, II, Lectures on Rhetoric, English Composition, Elocution.

II. TERM— { Algebra, Plane Trigonometry, Sallust, German, II, } Lectures on Rhetoric, English Composition, Elocution.

III. TERM— { Spherical Trigonometry, Analytical Geometry, Ovid, French, } Chemistry, Course I, English Composition, Elocution.

SOPHOMORE YEAR.

I. TERM—Rhetoric, English Composition, Linear Perspective, Elocution.

ELECTIVE STUDIES:

Chemistry, I, *Horace, German,* *Greek History, Surveying.*

II. TERM—English Literature, Astronomy, English Composition, Elocution.

ELECTIVE STUDIES:

German, French, Roman History, *Physiology, Chemistry,* 2, *Differential Calculus.*

III. TERM—American Civics, History of Art, English Composition.

ELECTIVE STUDIES:

English Oratory, Oratorical Delivery, Juvenal, German, French, *Elements of Law, Anthropology, Botany, Chemistry,* 3, *Integral Calculus.*

JUNIOR YEAR.

I. TERM—Psychology, History of Education, Orations.

ELECTIVE STUDIES:

English, 6 *or* 7,
German,
French,
Spanish,
History, 9,
History, 10,
Sociology,
Real Property,
Physiological Psychology,
Zoölogy of Invertebrates,
Embryology,
Sanitary Science,
Chemistry, 4,
Higher Analytics,
Mechanics.

II. TERM—Ethics, History of Philosophy,

Orations.

ELECTIVE STUDIES:

English, 8,
German,
Spanish,
French,
English Bible,
History, 11,
Railroad Transportation,
Contracts,
Logic,
Advanced Composition,
Comparative Psychology,
Zoölogy of Vertebrates,
Animal Histology,
Human Anatomy,
Chemistry, 5,
Mathematics, 13,
Physics.

III. TERM—Theism, Geology,

Orations.

ELECTIVE STUDIES:

Greek, 8,
Journalism,
German,
French,
Spanish,
English Bible,
Money and Banking,
Equity,
Cryptogamic Botany,
Biology,
Bacteriology,
Neurology,
Chemistry, 6,
Astronomy,
Physics.

SENIOR YEAR.

I. TERM—Hebrew Literature, Orations.

ELECTIVE STUDIES:

Anglo-Saxon,
English, 4 *or* 9,
German,
Medieval History,
Criminal Law,
International Law,
Comparative Anatomy,
Chemistry, 7,
Geology,
Geodetic Astronomy.

II. TERM—Greek Literature, Orations,

ELECTIVE STUDIES:

French, *Economics,*
Chaucer, *Municipal Government,*
Philosophy of Mind, *Chemistry, 8,*
History of Europe, *Materia Medica.*
Torts,

III. TERM—Literature, Orations,

ELECTIVE STUDIES:

German, *Constitutional Law,*
Shakspere, *Practice,*
Metaphysics, *Private Corporations,*
History of Europe, *Public Finance,*
Comparative Politics, *Chemistry, 10.*
Economic Geology.

IV. THE COURSE IN CIVIL ENGINEERING.

Leading to the degree of Bachelor of Science in Civil Engineering.

FRESHMAN YEAR.

I. TERM—Advanced Algebra, 2b. Lectures on Rhetoric,
Drawing, English Composition,
German, II, Elocution.

II. TERM—Trigonometry, 7b, Lectures on Rhetoric,
Drawing, English Composition,
German, II, Elocution.

III. TERM.—Analytical Geometry, 9b, Rhetoric,
Drawing, English Composition,
French, Elocution.

SOPHOMORE YEAR.

I. TERM—Rhetoric, Plotting,
General Chemistry, English Composition.
Surveying,

II. TERM—Analytical Chemistry, Machine Design,
Differential Calculus, English Composition.
Descriptive Geometry,

III. Term—Integral Calculus, History of Art,
Railroad Surveying, English Composition.
Quantitative Chemistry,

JUNIOR YEAR.

I. Term—Mechanics, Architectural Design,
Strength of Materials, Theses.
Roads and Pavements,

II. Term—Physics, Architectural Design,
Masonry and Foundations, Theses.
Metallurgy,

III. Term—Physics, Geology,
Astronomy, Theses.
{ Water Supply,
{ Sanitary Engineering,

SENIOR YEAR.

I. Term—Geology, Architectural Design,
Geodetic Astronomy, Theses.
Bridges and Buildings,

II. Term—Hydraulics and Hydraulic Motors, Architectural Design,
Railroad Transportation, Theses.
Bridges and Buildings,

III. Term—Economic Geology, Contracts and Specifications,
{ Mine Surveying, Theses.
{ City Surveying,
Bridges and Buildings,

Lecture Courses.

The following Courses of Lectures have been established. They are given immediately after the Chapel Exercises on each Monday morning.

THE SENIOR CLASS.

I. Term—Professor Hulley on Hebrew Literature.
II. Term—Professor Hamblin on Greek Literature.
III. Term—Professor Perrine on Foreign Literature in English.

THE JUNIOR CLASS.

I. Term—The President on the History of Education.
II. Term—The President on the History of Philosophy.
III. Term—Professor Groff on Geology.

THE SOPHOMORE CLASS.

I. Term—Professor Bartol on Linear Perspective.
II. Term—Professor Bartol on Astronomy.
III. Term—Professor Martin on the History of Art.

THE FRESHMAN CLASS.

I. Term—Professor Phillips on Rhetoric.
II. Term—Professor Phillips on Rhetoric.
III. Term—Professor Phillips on Rhetoric.

SPECIAL LECTURES.

1. A course of Lectures is given yearly on Sociology, by Lemuel Moss, D. D., LL. D.

2. A Course of Lectures is given yearly on Social Ethics, by George Dana Boardman, D. D., LL. D.

3. A Course of Lectures on Practical Ethics is given yearly, by Benaiah L. Whitman, LL. D.

Department of Instruction.

The method of instruction in the College is varied according to the nature of the subject. Each Professor has his individual mode of imparting knowledge, and this, in the result, is advantageous to the learner. In general, the aim is to discuss each subject as far as possible as the subject-matter requires, yet all branches are presented practically, comparatively, and historically, with the view of leading the student to the apprehension of the subject as a whole and in its organic relations. The range and character of the instruction can be gathered from the following account of the different departments.

I. DEPARTMENT OF PHILOSOPHY.

The President.

The studies in this department embrace Psychology, Philosophy, Ethics, Theism and Education.

1. **Psychology, Descriptive and Explanatory.** Required Course. Juniors. First term, five hours.

2. **Physiological and Experimental Psychology.** Elective to Seniors and Juniors. First term, five hours.—Professor Davis.

3. **Lotze, Grundzuege der Psychologie.** Honor for Seniors and Juniors.

4. **Philosophy of Mind.** Elective to Seniors and Juniors. Second term, five hours.

5. **History of Philosophy.** Lectures. Required of Juniors. Second term, two hours.

6. **Greek Philosophy** (Greek 10). Elective to Seniors and Juniors.—Professor Hamblin.

7. **Roman Philosophy** (Latin 12). Elective to Seniors and Juniors.—Professor Rockwood.

8. **Modern Philosophy,** Weber. Honor Course, Seniors and Juniors. Third term.

9. **Ethics.** Required of Juniors. Second term, four hours.

10. **Philosophy of Religion.** Required of Juniors. Third term, five hours.

EDUCATION.

11. **History of Education.** A general sketch of educational Theory and Practice in Ancient and Modern times. Lectures. Required of Juniors. First term, one hour.

12. **Psychology of Education.** Based on Harris' Psychologic Foundations of Education. Half course. Elective to Seniors and Juniors. Second term, two hours.

13. **Comparative and Child Psychology.** Text-book, reports and discussions. Full course. Elective to Juniors. Second term, five hours.—PROFESSOR DAVIS.

14. **Philosophy of Education.** Based on Rosenkranz' Philosophy of Education. Half course. Elective to Juniors and Seniors. Third term, two hours.

15. **School Administration.** High School organizations, function and management; discussion of methods; survey of College Entrance Requirements. First term.

16. **Teachers' Course in American History.** Methods of teaching History with special reference to the work of secondary schools. Second term, two hours.—PROFESSOR HULLEY.

17. **Teachers' Course in Greek.** The Anabasis and Iliad will be used as text. Thus the Preparatory work may be reviewed, confidence acquired, and suggestions received regarding methods of teaching. Some informal lectures will also be given regarding the first year's work in Greek. First term, Seniors and Juniors.—PROFESSOR HAMBLIN.

18. **Teachers' Course in Latin.** Special topics in grammar with practical exercises in Cæsar, Cicero, Vergil. Third term, open to Seniors and Juniors.—PROFESSOR ROCKWOOD.

19. **Teachers' Course in Mathematics.** Mathematics as developed in history and as used in education. (a). Arithmetic: Its culture value, utility, present status in the schools; reforms in arithmetical teaching. (b). Algebra: Its growth during the last three centuries, typical parts, (ethical value.) (c). Geometry: Its basis, historical position, methods, recent geometry.—PROFESSOR BARTOL.

STATE CERTIFICATES.

Graduates of Bucknell University receive State teachers' certificates in Pennsylvania, after three years of experience in teaching. The courses in education and methods of teaching, including Child Psychology, the History, the Psychology and the Philosophy of Education, are helpful to those intending to teach. Students who take not less than eight of these courses will be entitled to a certificate for the work done in addition to the Diploma of the Course in which they graduate. No extra charge is made for the courses in Education.

REGISTER OF TEACHERS.

In order to aid Boards of Control in securing suitable teachers, there is kept a registry of graduates of Bucknell University who may wish to engage in teaching. Alumni and friends of the College will render a service if they will inform the President of vacancies.

II. DEPARTMENT OF LAW.

HAROLD MURRAY MCCLURE, A. M.,
PRESIDENT JUDGE OF THE SEVENTEENTH JUDICIAL DISTRICT.
LECTURER ON CONTRACTS AND PRACTICE.

FREDERIC EVANS BOWER, A. M.,
ATTORNEY-AT-LAW.
LECTURER ON CRIMES AND TORTS.

ALBERT WILLIAM JOHNSON, A. M.,
ATTORNEY-AT-LAW.
LECTURER ON REAL PROPERTY AND EQUITY.

The Bucknell College of Liberal Arts offers in its courses for the degrees in Arts and Science a number of subjects specially bearing upon the study of law. Students prepared for college and having taken one year's work in liberal studies, will be admitted to the studies in Law. The subjects offered are those usually given in the first year of the best

law schools. The instruction is by text-book, lecture, and study of cases. The texts of "Leading Cases" have been placed in the library for the use of students. A certificate for the work done is given by the department, in addition to the Diploma of the College. But this certificate is not given for any legal subject in which the student's standing is below 9; nor to any student whose general average is below 9. The law studies are counted towards the degree in Liberal Arts, to the amount of one year's work.

1. **Elementary Law.** Robinson's Elementary Law. Third term, Sophomore year.—Professor Hulley.

2. **Blackstone's Commentaries.** One hour, Junior year.—Professor Hulley.

3. **Real Property.** Text-book, Select Cases, Lectures. First term, Junior year.—Mr. Johnson.

4. **Personal Property.** Text-book, Select Cases, Lectures.—Mr. Johnson.

5. **Contracts.** Text-books, Select Cases, Lectures. Second term, Junior year.—Judge McClure.

6. **Equity.** Text-book, Select Cases, Lectures. Third term, Junior year.—Mr. Johnson.

7. **Crimes.** Text-book, Select Cases, Lectures. First term, Senior year.—Mr. Bower.

8. **Torts.** Text-book, Select Cases, Lectures. Second term, Senior year.—Mr. Bower.

9. **Practice.** Text-book, Lectures. Third term, Senior year.—Judge McClure.

10. **Principles of International Law.** Fall term; open to Seniors and Juniors.—Professor Heim.

11. **Roman Law.** Honor. Second term, Seniors and Juniors.—Professor Rockwood.

12. **American Constitutional Law.** Third term, Seniors and Juniors.—Professor Hamblin.

13. **Comparative Constitutional Law.** Third term, Seniors and Juniors. A comparison of the Constitutions of England, France, Germany, and the United States.—Professor Hamblin.

III. DEPARTMENT OF ECONOMIC AND POLITICAL SCIENCE.

EPHRAIM M. HEIM, PH. D., PROFESSOR.

1. **Economics, I.** General course, devoted chiefly to problems of Production and Distribution. Second term; five hours. Seniors and Juniors.

2. **Economics, II.** Money and Banking. Third term; five hours; alternating with course 3. Seniors and Juniors.

3. **Public Finance.** Financial Administration. Theories and Methods of Taxation, Public Debts. Third term; five hours, Seniors and Juniors.

4. **Economic Institutions.** First term; one hour.

5. **Socialistic Theories.** Honor course. Second term; two hours.

6. **Economics of Distribution.** Honor course. Third term; two hours.

7. **Railroad Transportation.** Relation of Railways to Investors, to the Public and to the Law. Theory of Rates. Methods of State Control. Second term; five hours. Seniors and Juniors.

8. **Private Corporations.** Corporate problems, economic and legal. Trusts and Industrial Combinations. First term; five hours. Seniors and Juniors.

9. **Economic History.** Honor course. First term.

10. **Administrative Law.** Honor course. Second term.

11. **Municipal Government.** Organization of City Government. Problems of Administration, Municipal Functions. Relation to the State. Second term; five hours. Seniors and Juniors.

12. **International Law.** First term; five hours. Seniors and Juniors.

13. **American Civics and Parliamentary Law.** A study of the American Frame of Federal and State Government; and of Parliamentary rules and usages.—PROFESSOR HULLEY.

14. **Comparative Constitutional Law** is offered as an elective to Juniors and Seniors in the third term, alternating with American Constitutional Law. A comparison of the Constitutions of England, France, Germany and the United States. Works of reference: Burgess, Boutmy,

Dicey. Special topics assigned for individual study and report to the class.—Professor Hamblin.

15. **American Constitutional Law** is offered as an elective to Seniors and Juniors in alternate years, third term. The work consists in a study of the Constitution itself, and in a study of the law that has grown out of it. Cooley's Elements of Constitutional Law.—Professor Hamblin.

IV. DEPARTMENT OF LOGIC AND SOCIOLOGY.

William Emmet Martin, A. M., professor.

1. **Logic, Deductive and Inductive.** Elective to Juniors. Second term, five hours.

2. **Logical Theories.** Honor Course, Seniors and Juniors. Third term, one hour. Prerequisite Course 1.

3. **Scientific Method.** Honor Course, Seniors and Juniors, alternating with Course 2. Third term, one hour.

4. **Anthropology, Descriptive and Physical.** Elective to Sophomores. Third term, five hours.

5. **Ethnology.** Honor Course, Seniors and Juniors. First term, one hour. Prerequisite Course 4.

6. **History of Culture.** Honor Course, Seniors and Juniors, alternating with Course 5. First term, one hour.

7. **Sociology, Principles and Theory.** Elective to Seniors and Juniors. First term, five hours.

8. **Charities and Reform.** Honor Course, Seniors and Juniors. Second term, one hour. Prerequisite Course 7.

9. **Criminology and Penology.** Honor Course, Seniors and Juniors, alternating with Course 8. Second term, one hour.

10. **Sociology.** A course of lectures on Sociology from the Christian point of view is given each year by Lemuel Moss, LL. D., to the whole College. A special honor course is offered in connection with the lectures.

11. **Esthetics, Principles and Problems.** Honor Course, Seniors. First term, one hour.

12. **History of Art, Architecture, Painting, and Sculpture.** Honor Course, Seniors and Juniors. Second term, one hour.

V. DEPARTMENT OF HISTORY.

LINCOLN HULLEY, PH. D., PROFESSOR.

The History Courses have been planned to provide the general student with the essential data of human progress, and the special student with the fullest equipment required for advanced work in Graduate Schools.

1. **Hebrew History and Literature** (1) The historical background of national slavery, deliverance, conquest, home-making, consolidation, disruption, decline, captivity, restoration, subjection, and dispersion is sketched; (2) the personalities of the Hebrew statesmen, reformers, ethical teachers, and preachers are studied; and (3) the literature is studied with a view to its form, ideas, and development. Every effort is made to give the subject a life-like realism. Senior and Junior elective. Second term, five hours.

2. **New Testament History and Literature.** The church's inception, formal organization, initial activity, internal life, missionary enterprise, the establishment of churches, the growth of a literature, and its contents. Senior and Junior elective. Third term, five hours.

3. **Lectures.** The Bible as a classic; the Bible in its formation; its divine origin and commission, the civilizations imbedded in it; methods of Bible study; and kindred topics. Senior year, first term.

4. **Greek Political and Constitutional History.** The City-State. Oligarchies. Democracy. Federal Government. References: Oman, Greenidge, Gilbert, Fowler, Grote, Holm.—PROFESSOR HAMBLIN.

5. **Roman History.** The work is based on Merivale's General History of Rome. Mommsen, Bury, and Gibbon are used for supplementary reading. Second term, Sophomore year.—PROFESSOR ROCKWOOD.

6. **Medieval Europe.** The Germanic invasions, Roman Christianity, the rise of Mohammedanism, German ideas of law, the Age of Charlemagne, the foundations of Medieval Europe, the Feudal System, the rise of the Papacy, the struggle between the Empire and the Papacy, and the intellectual and social life of the Middle Age. Senior elective. First term, five hours.

7. **Modern Europe.** 1500 A. D.—1878 A. D.:—The Protestant Reformation, the Thirty Years' War, the Counter Reformation, the Age of Louis XIV, the Rise of Russia and Prussia; the French Revolution, the later revolutions in France, the English Age of Reform, the consoli-

dation of Germany, and the unification of Italy. Senior elective. Second term, five hours.

8. **History of England.** Invasion and early settlements, the Norman Conquest, and the political, religious, social, industrial, and literary developments down to the present time. Senior and Junior elective. First term, five hours.

9. **American Colonial History.** Discovery, settlement, expansion, independence, typical Spanish, French, and English communities are studied; the most important colonial charters and forms of government are analyzed; the triumph of the English over the other settlements in North America, and their independence in England are explained; and, throughout, special attention is given to the colonies in Pennsylvania. Senior and Junior elective. First term, five hours.

10. **Constitutional History of the United States.** This course includes the territorial, industrial, social, and other phases of national development, but special prominence is given to those issues which have involved the operation and interpretation of the Constitution, and to the men engaged in its interpretation. Senior and Junior elective. Second term, five hours.

11. **American Civics.** The aim of this course is: (1) To study the American frame of government, federal and state; (2) to familiarize the class with the text of the Constitution, and with Parliamentary Law; and (3) to study the formative influences and institutions that enter into the American state. Sophomores, required. Third term, five hours.

12. **Elements of Law.** Robinson's "Elementary Law." Thorough drill is given on definitions and the principles of the Common Law. Sophomores, elective. Third term, five hours.

13. **Teachers' Course in American History.** Methods of teaching History with special reference to the work of Secondary Schools. Second term, two hours.

HONOR COURSES.

14. **Blackstone.** First term.

15. **Blackstone.** Second term.

16. **Blackstone.** Third term.

17. **Pennsylvania History and Civics.**

18. **The Theory of the State.**

19. **Special Periods of American and European History.**

VI. THE GREEK LANGUAGE AND LITERATURE.

THOMAS FRANKLIN HAMBLIN, A. M., PROFESSOR.

There are four terms of required work in Greek in the Classical Course, and five in the Greek Philosophical Course; while Greek may be taken as an elective during the entire Junior and Senior years. Besides the elective Courses a number of Honor Courses are offered. In the Elective Course a year of poetry alternates with a year of prose. A course of lectures on the Greek poets is given to the Seniors, with collateral reading.

Courses: 1-5 required, 6-12 elective.

1. **Homer.** Odyssey, Books 5-8. Review of verb forms and syntax of verbs. Epic forms and styles. Word lists. Metre. First term, Freshman year.

2. **Lysias.** Six orations. Inflection and syntax of nouns. Prose composition. Attic oratory. Translation at sight and hearing. Second term, Freshman year.

3. **Plato.** Apology and selections. Special topics in Greek Syntax. Philosophy and influence of Socrates. The Sophists. Extracts from the Memorabilia at sight. Third term, Freshman year.

4. **Greek Political and Constitutional History.** Bury's History of Greece is used as a text book. The class is also required to do collateral reading on important epochs. First term, Sophomore year.

5. **Demosthenes.** Olynthiacs and Philippics. History and Politics of the Macedonian period. Style of Demosthenes. Second term, Sophomore year.

6. **Eschylus and Sophocles.** Prometheus Bound and Œdipus Tyrannus. The drama, theatre, and metres. First term, Seniors and Juniors, in alternate years.

7. **Euripedes and Aristophanes.** Medea and The Clouds. Greek Comedy. Religious influence of the poets. Influence of the Classical on the Modern Drama. Second term, Seniors and Juniors, in alternate years.

8. **Greek Literature in English.** —A course especially designed for students in the Philosophical or Scientific Courses, that they may become acquainted with some of the Greek masterpieces. The best translations will be studied and explained, and informal talks will be given on various phases of Greek Literature. Third term, Senior and Junior years.

9. **Demosthenes.** —*De Corona.* The oratory of Demosthenes, from a literary and political point of view. Æschines against Ctesiphon at sight. Second term, Seniors and Juniors, alternating with 6.

10. **Plato** —The Phaedo. Greek Philosophy. The influence of Plato. Third term, Seniors and Juniors; alternating with 7.

11. **New Testament Greek** (A).—The Gospel according to Luke. Hellenistic Greek. Second and third terms, Freshman year; one hour a week.

12-14. **New Testament Greek.**—Translation of the synoptic Gospels; interpretation; Burton's *Moods and Tenses;* characteristics of Hellenistic Greek. Designed for students desiring a linguistic and historical foundation for the interpretation of the New Testament. Three terms. Elective to Seniors.—Professor Phillips.

15. **Teachers' Course in Greek.**—The Anabasis and Iliad will be used as text books. Thus the Preparatory work may be reviewed, confidence acquired, and suggestions received regarding methods of teaching. Some informal lectures will also be given regarding the first year's work in Greek. First term, Seniors and Juniors.

HONOR COURSES IN GREEK.

16. **Xenophon.**—The Symposium and Œconomicus. Sophomores and Freshmen. Winter terms in alternate years.

17. **Homer and Lucian.**—Selections from each in alternate years. Sophomores and Freshmen, third term.

18. **Xenophon and Eschines.**—The Memorabilia and the oration against Ctesiphon, in alternate years. Seniors and Juniors, first term.

19. **Sophocles and the Lyric Poets.**—Antigone and selections from the Lyric Poets in alternate years. Seniors and Juniors, second term.

VII. THE LATIN LANGUAGE AND LITERATURE.

FRANK ERNEST ROCKWOOD, LL. D., PROFESSOR.

THOMAS JOHNSON MORRIS, A. B., INSTRUCTOR.

There are four terms of required work in Latin and eight of elective in the Classical and Latin Philosophical Courses. Honor courses, subject to change from time to time, are also offered.

Candidates for the degree of Bachelor of Science take Latin during the Freshman year. This work is under the charge of Instructor Morris. The books used are *Lindsay's Nepos, Herbermann's Sallust,* and *Kelsey's Ovid.*

The following courses are designed for students in the Classical and Philosophical Courses, but are also open as electives to students in the Science Course who may be qualified to take them:

COURSES: 1-4 required: 5-12 elective.

1. **Cicero:** *De Senectute.* Livy: Book 1. Review of special topics in Latin Grammar. Oral and written exercises in Prose Composition, based upon the text. Translation at sight and at hearing. First term, Freshman year.

2. **Livy:** Books XXI and XXII. Latin Prose Composition based upon the text. Roman history: Special chapters in Liddell. Second term, Freshman year.

3. **Velleius:** Roman History. PLINY. Selections from the Epistles. Translations at sight. Latin Prose Composition, based upon the text. Third term, Freshman year.

4. **Horace:** Selections from the Odes, Satires, and Epistles. Prosody; Historical Outlines of the Latin Language and Literature; Wilkins' Primer; Lectures. First term, Sophomore year.

5. **Roman History:** The work is based on Merivale's General History of Rome. Mommsen, Bury, and Gibbon are used for supplementary reading. Second term, Sophomore year.

6. **Quintilian:** Books X and XII. Roman Literature. Second term; open to those who have taken course 4; alternating with 11.

7. **Juvenal:** Selected Satires. Roman Life. Third term; open to those who have taken course 4.

8. **Plautus and Terence:** Selected Plays. First term; open to Seniors and Juniors; alternating with 10.

9. **Latin Inscriptions:** Allen's Remnants of Early Latin; Egbert's Manual. Third term; open to Seniors and Juniors; alternating with 12.

10. **Tacitus:** Annals. Translation at sight. Roman History. First term; open to Seniors and Juniors; alternating with 8.

11. **Latin Poets:** Crowell's Selections. Roman Literature. Second term; open to those who have taken course 4; alternating with 6.

12. **Teachers' Training Course:** Special topics in grammar with practical exercises in Cæsar, Cicero, Vergil. Third term; open to Seniors and Juniors; alternating with 9.

HONOR COURSES IN LATIN.

13. **Roman Philosophy:** Cicero and Seneca.

14. **Roman Law:** Morey's Outlines.

15. **Christian Writers:** Tertullian. Latin Hymns.

16. **Classical Philology.** Introductory course.

VIII. THE ENGLISH LANGUAGE AND LITERATURE.

ENOCH PERRINE, LITT. D., PROFESSOR.

1. **English Literature,** introductory course.—Designed to give a general knowledge of the history of English Literature from the Elizabethan to the Victorian periods, inclusive. Required, second term, Sophomore.

2. **Anglo-Saxon;** Old English Language and Literature, with special elective in Beowulf. Elective for those who have taken course 1 and the required work in German.

3. **Chaucer;** Middle English Language and Literature, with readings in Langland and Gower, and in Lounsbury's The English Language. Elective for those who have taken course 1 and the required work in French.

4. **The English Drama;** its development from the earliest times to Shakspere. Elective for those who have taken courses 1 and 7, and alternating with course 9.

5. **Shakespeare:** His mind and art. Critical study of **A Midsummer Night's Dream, Hamlet and Tempest.** Senior elective.

6. **The Georgian Period of English Literature.** Elective for those who have taken course 1, and alternating with course 7.

7. **English Literature from 1830.** Elective for those who have taken course 1, and alternating with course 6.

8. **American Literature,** the colonial and national periods. Elective for those who have taken course 1.

9. **Principles of Literary Criticism.** Elective for those who have taken courses 1, 7 and 8, and alternating with course 4.

10. **Periods of English Literature.** Special "honor" work is given in different periods of English Literature to those who have passed with credit in courses 1, 4, 7, and 8.

11. **English Oratory:** a study of the oration as a literary form. Elective for those who have taken course 1 and the required courses in Rhetoric.

12. **Journalism:** a study and practice of the various forms illustrated in the metropolitan "dailies," together with proof-reading, study of the functions of editors, and readings in the history of great American journalists and journals. Elective for those who have taken course 1 and the required courses in Rhetoric.

13. **Foreign Literature in English.** Lectures on some of the world's masterpieces are given to the Seniors on Monday mornings during the third term.

IX. RHETORIC AND ORATORY.

Llewellyn Phillips, A. M., professor.

Thomas Johnson Morris, A. B., instructor.

Miss Mary Unger, A. B., assistant in English.

A.—COURSES IN RHETORIC AND COMPOSITION.

1. **Rhetoric and English Composition:** Introductory course. Genung's *Outlines of Rhetoric.* Themes, weekly recitations, and consultations. Three terms; one hour. Required of Freshmen.

2. **English Composition.** Carpenter's *Exercises in Rhetoric and English Composition.* Daily and fortnightly themes, recitations, and consultations. First term; five hours. Required of Sophomores.

3. **English Composition.**—In addition to the work required in Courses 1 and 2, the Juniors write two orations or forensics, and the Seniors, one oration or forensic, each term. The orations presented at the exercise of the Junior Exhibition and Commencement will be received as two of the required orations. Both Essays and Orations are criticised with the author, if necessary; and in all cases an analysis must be presented.

4. **Argumentation.** Baker's *Principles of Argumentation.* Briefs, forensics, and oral discussion. Third term. Open to students who have passed in 1 and 2.

5. **English Composition:** *Advanced Course.* Wendell's *English Composition* and Gardiner's *The Forms of Prose Literature.* Daily and fortnightly themes, recitations, and consultations. Second term; five hours. Open to Seniors and Juniors.

6. **The Theory of Rhetoric.** A study of the laws of thought.

7. **Movements of Thought in the Nineteenth Century.**—Methods of investigation; theses. Open to Seniors.

B.—COURSES IN ORATORY.

The aim is to train the student to speak effectively in the pulpit or upon the platform or at the bar. All instruction is based upon the principle that impression precedes and determines expression. Each student receives individual attention during the first half of the course in elocution, during the latter half, in oratory. Special attention is given to debate. Each student is urged to take an active part in the work of the Literary Societies.

The ultimate object of the *physical culture* is to secure a good presence and the ability on the part of the voice and body to interpret correctly the conceptions of the mind.

FRESHMEN.

1. **Physical Culture.**—Exercises for securing correct position, and harmony of movements and attitudes; exercises for breath control and vocal culture and for grace in gesture.

2. **Public Speaking**—Study of the fundamentals of public speaking; delivery of short extracts from masterpieces of oratory, aiming to secure directness, earnestness and dignity of address. Required, first and second terms, one hour.

3. **Public Speaking**—Delivery of complete orations illustrating and application of the principles studied in the first and second terms. A prize is awarded to the young man and one to the young woman of the Freshman Class who excels in the delivery of these orations. Required, third term.

SOPHOMORES.

4. **Public Speaking**—Closer analysis and study of the details of public speaking; study of the various styles of delivery and of the different forms of discourse. Delivery of selected extracts from masterpieces illustrating each. Extemporaneous speaking. Reviews and continuation of the physical culture of course 1. Required, first term, one hour.

5. **Public Speaking**—Study of Narration. Description and argumentation. Delivery of selections illustrating each. Preparation and delivery of original narrations and descriptions. Extemporaneous speaking. Required, second term, one hour.

6. **Public Speaking.**—Delivery of complete argumentative selections. Preparation for and participation in debate. A prize is awarded to the young man of the Sophomore Class who shall excel in the delivery of an assigned selection in argumentation. A prize is awarded to the young woman of the Sophomore Class who shall excel in the delivery of an assigned selection in Narration. Required, third term.

7. **Oratorical Delivery.**—This course includes respiration, cultivation of the voice, pronunciation, articulation, and the principles of vocal and gestural expression. Theory is secondary to practice. The student receives daily drill in the different modes of expression. Text-books: Lessons in Vocal Expression, Curry; Principles of Vocal Expression and Literary Interpretation, Chamberlain and Clark. Reference is made to Curry's Imagination and Dramatic Instinct; Curry's Province of Expression, Fénélon's Pulpit Eloquence, Brookings and Ringwald's Briefs

for Debate. Elective. Third term, five hours. Open also to Juniors and Seniors.

JUNIORS.

7. **Prize Contest.** A prize contest in Oratory is held in the third term by Juniors, appointed on the ground of superiority in composition and elocution as shown during the preceding terms of the college course.

8. **Prize and Honor Debate.** During the year there are three debates by Juniors, the last of which is a prize and honor debate.

The highest honors in the Junior debate for 1902 were awarded to Sylvester Dunlap and John Belmont Cook.

SENIORS.

9. **Honors in Debating.** During the year an elective course in debating is offered to Seniors. The last debate is public.

10. **Prize in Oratory.** A prize is offered for the best oration of those delivered by the Senior orators at Commencement, regard being had equally to subject-matter, style, and delivery.

X. DEPARTMENT OF MODERN LANGUAGES.

GUIDO CARL LEO RIEMER, A. M., PROFESSOR.

ELYSEE AVIRAGNET, A. M., INSTRUCTOR IN THE ROMANCE LANGUAGES.

EPHRAIM M. HEIM, PH. D., INSTRUCTOR IN GERMAN.

A. GERMAN.

1a. **Elementary Course.** Grammar; German prose; practice in writing German. Required Course, Freshmen of the Philosophical and Scientific Courses. First and Second terms, five hours. Texts: Bierwirth, Elements of German Grammar; Bronson, German Prose and Poetry.

1b. **Elementary Course.** Grammar; German prose; practice in writing German. Required Course, Sophomores of the Classical Course. Third term, five hours. Texts: Bierwirth, Elements of German Grammar; Whitney, Introductory German Reader.

2. **German Prose.** Grammar and practice in writing German. Elective Course, for those who have taken Course 1a or 1b. First term,

five hours. Texts: Harris, German Composition; Thomas, Practical German Grammar; Hauff, Die Karawane; Riehl, Der Fluch der Schönheit, Das Spielmannskind, Der Stumme Ratsherr, and Die Burg Neideck.

3. **German Prose and Poetry.** Grammar and practice in writing German. Elective Course for those who have taken Course 2. Second term, five hours. Texts: Harris, German Composition; Thomas, Practical German Grammar; Freytag, Die Journalisten; Hauff, Lichtenstein; Heine, Harzreise; Sudermann, Katzensteg; German Ballads and Lyrics. Lyrics.

4. **Introduction to the Works of Lessing, Goethe and Schiller.** —Practice in writing German. Elective Course, for those who have taken Course 3. Third term, five hours. Texts: Von Jagemann, Prose Composition and Syntax; Lessing, Minna von Barnhelm and Emilia Galotti; Goethe, Egmont; Schiller, Wilhelm Tell and Die Jungfrau von Orleans; German Ballads and Lyrics.

5. **Schiller.** Practice in writing German and lectures. Elective Course, for those who have taken Course 4. First term, five hours. Texts; Von Jagemann, Prose Composition and Syntax; Thirty Years War, Wallenstein, Maria Stuart, and Die Braut von Messina.

6. **Goethe.** Practice in writing German and lectures. Elective Course, for those who have taken Course 4. Second term, five hours. Texts: Götz von Berlichingen, Iphigenie, Tasso, Hermann und Dorothea, and Dichtung und Wahrheit.

7. **Goethe.** Practice in writing German and lectures. Elective Course, for those who have taken Course 4. Third term, five hours. Texts: Faust, Parts I. and II.

Courses 5, 6, and 7 are conducted mainly in German.

B. FRENCH.

1a. **Elementary Course.** Grammar; French prose; practice in writing French. Required Course, Freshmen of the Philosophical and Scientific Courses. Third term, five hours. Texts: Grandgent, Short French Grammar; Super, French Reader.

1b. **Elementary Course.** Grammar; French prose; practice in writing French. Required Course, Juniors of the Classical Course. First term, five hours. Texts: Grandgent, Short French Grammar; Laboulaye, Contes bleus; George Sand, la Mare au Diable.

2. **French Prose.**—Grammar and practice in writing French. Elective Course, for those who have taken Course 1a or 1b. Second term, five hours. Texts: Grandgent, Short French Grammar and French Composition; Balzac, le Curé de Tours; Bonnechose, Bertrand du Guesclin; Lamartine, la Révolution française; Lesage, Gil Blas; Michelet, Extraits de l'histoire de France.

3. **French Prose and Poetry.**—Grammar and practice in writing French. Elective Course, for those who have taken Course 2. Third term, five hours. Texts: Grandgent, French Composition; Balzac, Eugénie Grandet; Coppée, le Pater; Dumas père, les Trois Mousquetaires; George Sand, la Famille de Germandre; Taine, les Origines de la France contemporaine.

4. **Continuation of Course 3.**—Elective Course, for those who have taken Course 3. First term, five hours. Texts: Corneille, le Cid; Victor Hugo, Selections from les Misérables, and Hernani; Molière, le Bourgeois gentilhomme and l'Avare; Alfred de Musset, Poésie et Comédie; Saint-Beuve, Selected Essays.

5. **Corneille, Moliere, and Racine.**—Practice in writing French and lectures. Elective Course, for those who have taken Course 3. Second term, five hours. Texts; Corneille, Horace and Polyeucte; Molière, les Femmes savantes, les Précieuses ridicules, and Tartuffe; Racine, Andromaque, Athalie, and Esther.

6. **A View of French Literature.**—Reading; practice in writing French; lectures. Elective Course, for those who have taken Course 3. Third term, five hours. Texts: La Fontaine, Fables choisies; Molière, le Misanthrope; Warren, French Prose of the XVII. Century; Descartes, Pascal, la Rochefoucauld, Bossuet; Selections from Voltaire's Prose; Canfield, French Lyrics; Béranger, Alfred de Musset, Alfred de Vigny, Lamartine, Th. Gautier, Victor Hugo, Leconte de Lisle, Verlaine, Sully-Prudhomme; Augier, le Fils de Giboyer; Zola, la Débâcle; Warren, Primer of French Literature.

7. **Conversational French.**—An honor course in Conversational French is given by Dr. Aviragnet to students who have made sufficient progress in French.

8. **French Prose Composition.**—In addition to the exercises in French Prose Composition required in all the courses, Dr. Aviragnet gives annually a special course.

C. SPANISH.

Dr. Aviragnet.

1. **Elementary Spanish.** —Grammar.—Conversation.—Translation of easy prose. Elective course, for Seniors and Juniors. First term, five hours.

2 and 3. **Spanish Prose.** —Translation, Composition, Conversation. Elective Course for Seniors and Juniors. Second and third terms. five hours.

XI. DEPARTMENT OF MATHEMATICS.

William Cyrus Bartol, ph. d., professor.

Joseph Meixell Wolfe, a. m., instructor.

Charles Arthur Lindemann, a. m., instructor.

Frank Morton Simpson, sc. m., instructor.

Henry Parker Friend, assistant.

1. **Solid Geometry.** —The course includes the geometry of solids with plane surfaces, the cone, the cylinder, the sphere, and the spherical triangle. Freshman year, first term, five hours for eight weeks.

2. **Algebra Course a.**—The topics are ratio, proportion, variation, progressions, theory, and development of functions, logarithms, differentiation of algebraic functions, indeterminate equations. Freshman year, first and second terms, five hours for ten weeks.

3. **Algebra, Course b.** —The course embraces all the topics of course *a*, but it is extended further and includes the solution of numerical higher equations. Freshman year, first term, Engineering course.

4. **Advanced Algebra.** —Honor Course in series and the theory of equations; open to Freshmen of the Arts and Science courses. Second term, three hours.

5. **Determinants.** —Honor course, open to Freshmen of the Engineering course and to Sophomores of the Arts and Science courses. Second term, two hours.

6. **Trigonometry, Course a.** —The course includes plane trigonometry with applications to problems in mensuration and surveying,

and spherical trigonometry with some applications to problems in astronomy. Freshman year, second and third term, five hours for ten weeks.

7. **Trigonometry, Course b.** Similar to course *a*, but extended to meet fully the needs of Engineering students. Freshman year, second term.

8. **Analytical Geometry, Course a.** The student is taken through the elementary properties of the right line, the circle, and the conic sections. The course is intended to give a clear conception of the methods of Cartesian analysis rather than an extensive knowledge of its results. Freshman year, third term, five hours for nine weeks.

9. **Analytical Geometry, Course b.** Similar to course *a*, but extended to include the topic of higher plane curves. Freshman year third term, Engineering course.

10. **Advanced Analytical Geometry.** The course covers the geometry of three dimensions, surfaces of revolution and higher plane curves; alternating with course 13. Junior year, second term, five hours.

11. **Differential Calculus.** The course includes higher derivatives and functions of several variables, infinite series, maxima and minima. Sophomore year, second term, five hours.

12. **Integral Calculus.** The course includes the simpler methods of integration, rectification and quadrature of plane curves, surfaces and solids of revolution, and applications to problems in Physics and Mechanics. Sophomore year, third term, five hours.

13. **Differential Equations.** An elementary course with mechanical applications; alternating with course 10. Junior year, second term, five hours.

14. **Descriptive Astronomy.** The aim of the course is to present in concise form a synopsis of astronomical knowledge to date. Lectures. Sophomore year, Arts and Science courses, second term, one hour.

15. **General Astronomy.** The subject is taught by text-book, with illustrations in the observatory. The students have free use of the ten-inch equatorial telescope. Junior year, third term, five hours.

16. **Geodetic Astronomy.** The course includes the use of the astronomer's transit and micrometer; observations for Time; conversion of Time; Latitude; Longitude, Azimuth and their geodetic determination; figure and dimensions of the Earth; Polyconic projections; use of the American Ephemeris; practice in the Observatory. Senior year, first term, five hours.

17. **Plane Surveying.** *Land Surveying*, laying-out, subdividing, and finding the area of given tracts of land. *Topographical Surveying*, by chain and compass, by plane table, and by transit instrument and stadia rods. Sophomore year, first term. Daily.

18. **Railroad Surveying.** Instruction is given in the theory of simple and compound curves, wyes, switches, and turn-outs. A corps is organized, which makes a preliminary survey of a cross-country railroad. The topography of this is taken and plotted; elevation of centre line taken; grade determined; degree of curves fixed, and paper location made. Centre line of permanent survey is now located; slope stakes set; earthwork calculated; specifications drawn up, and estimates made of the line surveyed. Sophomore year, Civil Engineering, third term. Daily.

19. **Mining Surveying.** A study is made of surface workings, cuts, pits and other limited excavations; and of underground surveys of a mine with shafts and rifts. Senior year, Civil Engineering, third term, daily for six weeks.

20. **City Surveying.** Town sites are located and plotted; permanent reference point and bench marks established; sewers located and calculated; curb and property lines determined. Senior year, Civil Engineering, third term daily for six weeks.

21. **Descriptive Geometry.** A study of the representation of lines, plane surfaces, solids and sections of solids; the projection of points, lines and surfaces; practical problems. Engineering course, Sophomore year, second term, five hours.

22. **Linear Perspective.** A course of twelve lectures designed to familiarize the student with the principles of perspective, and to give him an insight into their manifold applications. Arts and Science courses, Sophomore year, first term, one hour.

23. **Courses in Drawing.** Extending through the Freshman year of the course in Civil Engineering, and required of all candidates for the degree of Bachelor of Science in Civil Engineering. Ten hours a week.

(1.) **Linear and Freehand.** An elementary course in drawing to give the student facility in the use of instruments; Geometrical problems; cross-sectioning; shading; isometric drawing; sketching from models.

(2.) **Lettering.** The form and proportion of standard letters; structural details; methods of spacing; laying out titles.

(3.) **Architectural Drawing.** Plans, elevations and perspective drawings; copying of standards.

(4.) **Pen and Color Topography.**—Topographical signs; methods of hill grading; surface forms by contours and in color and pencil; enlarging and reducing maps, rendering in water colors, sepia and charcoal.

(5.) **Tracing and Blue Printing.**—Photographic methods of the Architect and Engineer.

24. **Plotting of Surveys and Topographical Drawing.**—Given in connection with the courses in surveying. Sophomores, first term, one hour.

25. **Machine Design.**—Problems in drawing and designing, second term. Sophomores Civil Engineering, one hour.

26. **Architectural Design.**—The design of brick and stone structures, including the preparation of plans and specifications. Junior Civil Engineering, one hour, first and second terms.

27. **Architectural Design, 2.**—This course will take up the theory and practice of modern framed structures, and the fire proofing of the same. First and second terms, Senior Civil Engineering, one hour.

28. **Mechanics, Sound and Heat.**—This course consists of lectures, demonstrations, and recitations, appropriately illustrated, with laboratory practice. Elective. Junior year, first term, five hours.

29. **Electricity and Light.**—Study of text-book, lectures, and experiments. Elective. Junior year, second term, five hours.

30. **Magnetism and Electricity.**—An experimental course, open as an elective to those who have taken courses 1 and 3. Experiments are made by the students, and, where practicable, absolute measurements are taken. Recitations and Laboratory work. Elective. Junior year, third term.

31. **Strength of Materials.**—Tensile, compressive, shearing and cross-bending stresses are considered; methods of testing materials of construction are outlined, and problems in the design of wooden and steel beams, girders, footings, beams, roof trusses, etc., are worked out. First term. Junior Civil Engineering, five hours.

32. **Masonry and Foundations.**—The materials of masonry construction and their preparation and use receive attention; this is followed by a study of foundations—ordinary, pile, and under water. Under masonry structures are treated; masonry dams, retaining walls, bridge abutments and piers, culverts, and masonry arches. Second term. Junior Civil Engineering, five hours.

33. **Bridges and Buildings.**—Design of Framed Structures, Details of Iron and Steel construction. The course is intended to give

systematic training in the principles and methods involved in the economical design of framed structures, such as bridges, roofs and buildings. Senior Civil Engineering. Three terms, daily.

This course will be given first in 1904-1905.

34. **Roads and Pavements.**—The economic location and design of streets and pavements are considered along with the questions of street drainage and foundations for roads and pavements. Comparisons are made between earth, gravel, broken stone, shell, plank, and burned clay roads, and also between asphalt, brick, stone block and wooden block pavements. Equestrian roads, race tracks, bicycle paths and sidewalks receive attention daily. First term. Junior Civil Engineering, daily.

35. **Hydraulics and Hydraulic Motors.**—This course includes the theory of Hydrostatics and Hydraulics, the flow of water over weirs, through orifices and tubes, and in pipes, canals and rivers; the measurement of water power; water wheels and turbines. Senior Civil Engineering. Second term, daily.

36. **Water Supply and Sanitary Engineering.**—Under the head of the collection and storage of water are taken up quantity of water required, rainfall, flow of streams, storage and evaporation of water, supplying capacity of water sheds, springs and wells. The flow of water in streams, pipes and channels are discussed, as also the practical construction of water works. A study is made of the various method of sewage disposal. Third term. Junior Civil Engineering, five hours.

37. **Contracts.**—In this course will be given the principles of Common Law as applied to Contracts. Third term. Senior Civil Engineering, one hour.

XII. DEPARTMENT OF CHEMISTRY.

WILLIAM GUNDY OWENS, A. M., PROFESSOR.

DAVID WALLACE ROBINSON, ASSISTANT.

1. **Descriptive Chemistry.**—Introductory study of the occurrence, history, preparation, properties, most useful compounds of the common elements, both non-metallic and metallic, with a brief study of the common organic compounds, the writing of equations and solving stoichiometrical problems, constitutes the class-room work. The student is required to spend five hours a week working in the Laboratory. First term, Sophomore year.

2. **Analytical Chemistry.** —Text-book, recitations, and laboratory work. The course is completed when fifty unknowns have been correctly reported. Second term, Sophomore year.

3. **Quantitative Analysis.**—Typical determinations are made to illustrate the methods used in both gravimetric and volumetric analysis. Third term, Sophomore year.

4. **Organic Chemistry.** —Using the paraffin series as a basis the methods of producing organic compounds and their theoretical structure are studied. Six hours a week laboratory work required. This course is of importance to Medical students. First term.

5. **Organic Chemistry.**—Course four completed, taking up the benzol series. In the latter part of the ferm Ultimate organic analysis is taken up. Laboratory practice. Second term.

6. **Agricultural Chemistry.**—The laws of plant life and fertility are considered. Fertilizer analysis is practiced in the Laboratory. This course covers the legal requirements for teachers of Pennsylvania high schools. Third term.

7. **Industrial Chemistry.**—Water and Gas Analysis. Water is examined for sanitary and boiler purposes. During the second half term the air, and producer and other gases are studied. First term.

8. **Industrial Chemistry.** Metallurgy—The manufacture and properties of iron and steel. The effect of carbon silicia, sulfur, phosphorus, etc., upon iron with analysis to determine these elements; also other metals used in construction. Second term.

9. **Industrial Chemistry.** —Analysis of cements, clays, rocks and ores and their uses. Third term.

10. **Toxicology and Urine Chemistry** with food adulteration. Second term.

HONOR COURSES.

11. **Physical Chemistry.**

12. **Stereo-Chemistry;** alternating with 11.

13. **Chemical Philosophy.**

14. **Modern Theories of Chemistry;** alternating with 15.

15. **History of Chemistry.**

16. **Rise and Development of Organic Chemistry;** alternating with 15.

XIII. DEPARTMENT OF ORGANIC SCIENCE.

GEORGE G. GROFF, M. D., PH. D., LL. D., PROFESSOR.

NELSON FITHIAN DAVIS, SC. D., PROFESSOR OF BIOLOGY.

It is the constant aim in this department to teach how to interpret nature. The student is guided in his investigations by lectures and laboratory manuals.

Courses 1, 2, 3, 4, 5, 6, 14, 16, 17, 19, 20, 21, and 22 are given by Professor Groff.

Courses 7, 8, 9, 10, 11, 12, 13, 15, and 18, by Professor Davis.

1. **Animal Physiology.**—Recitations, lectures, and laboratory work. Second term, Sophomore year, five hours.

2. **Neurology.**—Recitations, lectures, and laboratory work. Third term, Sophomore year, five hours. Prerequisite: Course 1 and General Chemistry.

3. **Pathology.**—Recitations, lectures, and laboratory work. First term, Senior year, five hours.

4. **Sanitary Science.**—Lectures. Third term, Junior year, one hour.

5. **Human Osteology and Comparative Anatomy.**—Recitations and dissections. First term. Senior year, five hours.

6. **Human Anatomy.**—Recitations and dissections. Second term, Senior year, five hours.

7. **Normal Histology.**—Recitations, lectures, and laboratory work. Second term, Junior year, five hours.

8. **Embryology.**—Recitations, lectures, and laboratory work. First term, Junior year, five hours.

9. **Biology.**—Recitations and dissections. First term. Junior year, five hours.

10. **Invertebrate Zoology.**—Recitations and dissections. Second term, Junior year, five hours.

11. **Vertebrate Zoology.**—Recitations and dissections. Third term, Junior year, five hours.

12. **Organic Evolution.**—Honor course. Second term, Junior year, two hours.

13. **Heredity.**—Honor course. Third term, Junior year, two hours.

14. **Phaenogamic Botany.**—Recitations, lectures, and field work. Third term, Sophomore year, five hours.

15. **Cryptogamic Botany.**—Recitations, lectures, and field work. Third term, Junior year, five hours.

16. **Plant Physiology.**—Honor course.

17. **Elements of Forestry.**—Honor course.

18. **Bacteriology.**—Recitations, lectures, and laboratory work. Third term, Junior year, five hours.

19. **Materia Medica.**—Recitations, lectures, and laboratory work. Second term, Senior year, five hours.

20. **Mineralogy and Geology.**—Recitations, lectures, and laboratory work. First term, Junior year, five hours.

21. **Economic Geology.**—Recitations, lectures, and laboratory work. Third term, Senior year, five hours.

XIV. DEPARTMENT OF MEDICINE.

William Leiser, M. D., Lecturer on Diagnosis.	George G. Groff, M. D., LL. D., Professor of Anatomy & Physiology.
Weber L. Gerhart, M. D., Lecturer on Anatomy.	Nelson Fithian Davis, Sc. D., Professor of Biology.
Charles Alexander Gundy, M. D., Lecturer on Surgery.	William Gundy Owens, A. M. Professor of Chemistry.

For the present Bucknell University does not offer a full course of medical study nor confer degrees in medicine; but offers the preparatory studies and most of the non-clinical studies of the first two years of the courses required in the Medical Colleges. The student can select from the medical subjects offered at Bucknell University such as will be required for advanced standing in the Medical College in which he may wish to complete his studies for the degree in medicine, and if his standing in such subjects averages not less than nine, he will receive from the Department of Medicine in Bucknell University a certificate of profi-

ciency in those subjects and in such other subjects related to medical studies as he may have completed at Bucknell. These subjects are open only to students in the College of Liberal Arts and the Certificate of proficiency is given to studtnts only upon graduation, and in addition to the Diploma of the College of Liberal Arts.

1. **Animal Physiology.** —Recitations, lectures, and laboratory work.

2. **Neurology.**—Recitations, lectures, and laboratory work.

3. **Physiological Psychology.** —Recitations, lectures, and experiments.

4. **Pathology.** —Recitations, lectures, and autopsies.

5. **Sanitary Science.**—Lectures.

6. **Human Osteology and Comparative Anatomy.** —Recitations and dissections.

7a. **Human Anatomy.**—Recitations and dissection of human body.

7b. **Human Anatomy.**—Recitations and dissection of human body.

8. **Normal Histology.** —Recitations, lectures, and laboratory work.

9. **Embryology.** —Recitations, lectures, and laboratory work.

10. **Biology.** —Recitations and dissections.

11. **Invertebrate Zoology.** —Recitations, and dissections.

12. **Vertebrate Zoology.**—Recitations and dissections.

13. **Phaenogamic Botany.** —Recitations, lectures, and field work.

14. **Cryptogamic Botany.** —Recitations, lectures, and field work.

15. **Bacteriology.**—Recitations, lectures, and laboratory work.

16. **Materia Medica.**—Recitations, lectures and laboratory work.

17. **Descriptive Chemistry.**—Recitations and laboratory work.

18. **Analytical Chemistry.**—Recitations and laboratory work.

19. **Quantitative Analysis.** —Recitations and laboratory work.

20. **Toxicological and Urine Analysis.**

21. **Physiological Chemistry.** This Course includes such chemical determinations as are of special importance to medical students.

The Biological Laboratory is equipped with apparatus for carrying on work in the Organic Sciences. A large room has been fitted up especially for Microscopic work with equipments for fifteen students. Each student has a separate desk containing a microscope and the necessary reagents. The Laboratory is also supplied with collecting and bacteriological apparatus, with books of reference, and other appliances necessary for carrying on Biological research. Those taking Microscopy, have the use of microtomes, incubators, reagents, etc. New apparatus is added as occasion demands. The work in Zoölogy is illustrated by marine and fresh-water forms, skeletons, and mounted specimens. In Comparative Anatomy and Osteology the work is illustrated by skeletons representing different types of vertebrates. Physiology is illustrated with human skeletons, a life-size French manikin, prepared tissue, and numerous charts. Material for Human Anatomy is received from the State Anatomical Board in Philadelphia, and each student has the opportunity to dissect the whole human body. The work in Materia Medica is illustrated by specimens of crude drugs. The student in Histology and Embryology has a good supply of paraffin and collodion blocks. The work is illustrated with microscopic slides, alcoholic material, and French wax models. Each student is provided with dissecting instruments.

THE LIBRARIES AND READING ROOMS.

Librarian: Professor William E. Martin, A. M.

Assistants: Carl W. Tiffany and Sarah H. Ayres.

The College Library.—The general library contains about twenty-two thousand volumes, besides several thousand pamphlets. The reading room is connected with the library, and offers facilities for reading, studying, and writing. During term-time both are open forenoon, afternoon, and evening of each day, Sundays and holidays excepted, and both are maintained without extra charge to students. Students in all departments have free access to the shelves, and may draw two books at one time and retain them for two weeks, with the privilege of one renewal, if desired.

For greater convenience of instructors and students, collections of special technical books are also kept in the Laboratories of the Physical and the Organic Sciences, and in the Astronomical Observatory.

The library is regarded as a working laboratory for all departments of instruction, students being constantly cited to it in class-room work. In this way, while answering the purpose of general culture, it supplements in great measure the monographic treatment of text-book study, and the student is trained under competent guidance to become an investigator. The resulting practical acquaintance with books and bibliography proves a valuable part of liberal education.

By aid of the Card Catalogue, and Pool's Index to Periodicals, all the resources of the library on any given subject are at once available.

Valued contributions in books, pamphlets, periodicals, and money, have been made during the year by the following:

Advocate of Peace, American Economist, Arboriculture, Lieut. H. A. Arnold, Prof. E. Aviragnet, Mus. Doc., Joshua L. Bailey, Esq., *Baptist Home Mission Monthly, Baptist Missionary Magazine,* Miss Jennie Barker, Mrs. Bishop, *Bulletin of Bibliography,* Civil Service Commission, *Columbia University Quarterly,* W. C. Conant, W. J. Coxey, A. M., Rev. A. E. Finn, A. B., Hon. B. K. Focht, *Forest Leaves,* Estate of H. Gerhart, D. D. S., Registrar W. C. Gretzinger, Ph. B., Prof. G. G. Groff, M. D., Hon. G. A. Grow, President Harris, *Hartford Seminary Record,* Harvard Observatory, Prof. E. M. Heim, Ph. D., Henry Holt & Co., Interstate Commerce Commission, Hon. A. W. Johnson, A. M., Miss Mary A. Johnston, Rev. J. T. Judd, A. M., G. C. Kelly, Esq., Labor Statistics Bureaus of Illinois, Maryland, Michigan, New York, Ohio, Lake Mohonk Conference, Albert Leffingwell, M. D., *Lewisburg Chronical, Lewisburg Journal,* P. B. Linn, Esq., Craige Lippincott, Esq., Mrs. E. B. Matlack, *Middleburg Post, New Jersey Baptist Bulletin,* S. H. Orwig, Esq., Prof. W. G. Owens, A. M., Pennsylvania Society of New York, Pennsylvania State College Experiment Station, Pennsylvania State Library, Hon. Boies Penrose, Prof. Enoch Perrine, Litt. D., *Philadelphia Evening Telegraph,* Philadelphia Free Library, Estate of Hon. R. K. Polk, Hon. M. S. Quay, Prof. G. L. C. Reimer, A. M., *Rochester Baptist Monthly,* Prof. F. E. Rockwood, LL. D., Robt. G. Slifer, A. M., The Smithsonian Institution, *Sound Currency, Sunset, Temple Review, Traveller's Record, University Record,* Miss Voris, Washington Government Departments: Agriculture, Census, Education, Ethnology, Geological Survey, Interior, Labor, National Museum, Navy, Patent Office, State, Superintendent of Documents, Treasury, War, Instr. J. M. Wolfe, A. M., *Wooster University Post Graduate, World's Fair Bulletin,* Rev. J. S. Wrightnour, D. D., and many Colleges, Schools, and Universities.

THE MUSEUM.

Curator: Professor Nelson Fithian Davis, sc. d.

The College possesses a good collection of illustrative material in Botany, Mineralogy, Geology, Zoölogy, Materia Medica, and Histology. The specimens are distributed under these classifications and those of Archæology, as follows:

Botany	1,600
Mineralogy	3,000
Geology	2,000
Zoölogy	4,500
Archæology	525
Histology	1,200
Materica Medica	350
Total	13,175

Additions to the Museum will always be thankfully received, especially of objects which can be used in laboratory work.

Among these may be mentioned: Zoölogical specimens, especially marine and fresh-water forms of life; insects; skeletons of vertebrate animals, birds, and mammals; botanical specimens; crystallized minerals; American and especially Pennsylvania rocks.

Contributions for the Museum have been received during the past year from Calvin H. Elliott, Walter K. Rhodes, I. A. Bartholomew, Frank Golder, W. E. Maneval, Prof. F. M. Simpson, J. Lanford Davis, J. F. Sigel, Prof. Enoch Perrine, and Levi J. Ulmer.

General College Orders.

ATTENDANCE.

Only under exceptional circumstances will excuses be granted to leave College during term time. In such cases the examination on the studies gone over by the class, during a student's absence, will be especially searching, and a high degree of attainment will be required. When a student is absent more than one fourth of the term for any reason, he is required to stand private examination in addition to the examination required of the class. One who is absent during the entire term must almost necessarily lose his standing in his class. The work of the term begins on the day of opening, and recitations are expected at the first hour appointed for the meeting of the classes. The work continues uninterruptedly, with the exception of holidays marked in the Calendar, until the last day of the term.

STANDING.

Each instructor records, in numbers ranging from 0 to 10, the character of the recitation of every student reciting to him, and notes also any delinquency in conduct and attendance. The weekly summary of these markings is recorded in permanent books, and constitutes the basis for determining the standing of the student during his connection with the institution. Unexcused absences from recitations are counted as zero in making up the weekly averages. *Excused* absences have half the effect in lowering a student's standing as unexcused absences, but a student may, at the option of the professor, do supplementary work, to obviate the effect upon his standing, of excused absences. At the close of each term an average of these marks is made out, and a report of the scholarship, attendance, and conduct of each student is transmitted to his parent or guardian by the President. No student is advanced from one class to another whose average in any study is less than 7; nor is any student recommended to the Board of Trustees for graduation in the general courses if his average standing during either his Junior or Senior year shall fall below 8. The passing grade for graduate students is 9. No one will be recommended for graduation in the Civil Engineer-

ing Course, nor be granted a certificate in the Law or Medical studies, if his average is below 9.

Conditioned students are not recommended to the Board of Trustees for promotion. Students conditioned on entrance must discharge such conditions within the first year thereafter.

If a student has failed in the studies of a term, he will not be permitted to enter upon the studies of a subsequent term until he has passed in the subjects in which he failed, unless a postponement of examination to a definite time is granted by the Faculty.

A student who has not completed his rhetorical work in any term will not be permitted to enter upon any of the work of the succeeding term until such deficiency is made up.

Appointments in the Graduating Class are made according to the aggregate standing of each member during his entire course. But in assigning these parts the Faculty takes into account the deportment of the student, as well as marks for recitations. The minimum average for an Oration of the First Class is fixed at 9, and for an Oration of the Second Class at 8.

Students who attain an average of 9.4 or more for their entire course are graduated *summa cum laude;* students who attain an average of 9.2 or more are graduated *magna cum laude;* those who attain an average of 9 or more are graduated *cum laude.*

EXAMINATIONS.

The dates of the examinations are given in the Calendar. In case a student fails to be present at the examination of his class, for any justifiable reason, his examination will be held at such time as the Faculty may appoint, but in no case is an examination granted a student in advance of the time appointed for the examination of the class.

PUBLIC WORSHIP.

The College duties of each day are opened with religious services in Bucknell Hall, which all the students of the College are required to attend.

Attendance upon public worship in some church in town on Sunday morning is required. Students must attend the religious services held on Thanksgiving Day.

On the day of Prayer for Colleges, religious services are held in the forenoon, when a sermon is preached by the President, or by some

one at his request. All the students are required to attend. In the afternoon and evening services are held in Bucknell Hall, attendance upon which is advised, but not required.

GOVERNMENT.

It is assumed that all who enter upon the courses of study in the College do so for the purpose of acquiring an education, not only of the intellect, but also of character. The Laws of the College, enacted by the Board of Trustees, are as few and simple as the proper regulation of a community of young men will permit. These are printed, and a copy is placed in the hands of every student at the beginning of each year. These laws must be observed, not only in their letter, but in their spirit. The atmosphere of the Institution is not that of arbitrary restraint, but of reasonable conformity to reasonable laws. The College does not wish to place its stamp or bestow its honors upon any one who is not willing to deport himself as a gentleman. Each student is distinctly placed upon his manhood, and if he abuses his privileges, after reasonable caution, he must withdraw from the Institution.

PRESIDENT'S OFFICE HOURS.

The President of the University is in his office, in the Main College building, every Tuesday, from 9.30 A. M. to 12 noon, to confer with students who may desire advice or assistance. Students are encouraged to communicate frankly with the President upon any subject in which he may be of help to them.

OFFICE HOURS FOR THE COLLEGE WOMEN.

The Dean of the College women will receive, in her office in the Institute, College women who may desire advice or assistance from her.

VOLUNTARY SOCIETIES.

Euepia; Theta Alpha. —These are the two Literary Societies of the College for men. They hold meetings for Orations, Essays, and Debates. Each Society has a convenient hall, and by an arrangement of the Faculty, will always have a nearly equal number of members.

The Zeta Literary Society is composed of young women admitted to any of the courses in the College.

The Young Men's Christian Association is formed of stuaents from College. It receives religious periodicals and corresponds with kindred societies. A hall has been appropriated to the Society, and has been suitably furnished for religious meetings.

The Students' Publishing Association is an organization which has in charge the issuing of the *Bucknell Mirror.* This periodical appears monthly during the collegiate year. The same Association publishes the *Commencement News* daily during Commencement week.

Another association of students publishes, weekly, during the school year the *Orange and Blue.*

The Athletic Association of the College has been formed to encourage and regulate athletic sports. Considerable liberty is allowed the Association in carrying out its purpose. The Association is not allowed, however, to arrange match games with other similar bodies without having secured the consent of the Faculty.

No student who is deficient in rhetorical or class-room work in any term shall be eligible to the office of manager or director in any student organization, or to be a member of any exhibiting organization, or of any contesting athletic team, or of any publishing or editing board during any subsequent term until such deficiency is made up.

HEALTH AND PHYSICAL CULTURE.

GEORGE W. HOSKINS, DIRECTOR.

The Tustin Gymnasium has been provided for the physical training and development of young men. Young women have opportunity for physical training in the Gymnasium of the Institute. These are now provided with the apparatus usually found in well-furnished gymnasiums. The Directors of the Gymnasium examine every student, taking and recording in a book his physical measurements, and prescribe such exercise as may be required for his physical development. Regular exercise in the Gymnasium is required of all students during the winter term.

Aids and Honors.

PRIZES.

The prizes are awarded to the persons who in the judgment of the several committees attain the highest degree of excellence among the respective competitors, but no prize is bestowed unless a high degree of merit has been attained by the person receiving it.

THE PRIZE OF THE CLASS OF '71.

This prize, established by the Class of 1871, is awarded to the student of the Freshman Class who shall prove himself best prepared for College in the two branches, Latin and Mathematics, and who shall have received his preparatory training in Bucknell Academy.

The prize for 1902 was awarded to Frank Ellsworth Ammon.

THE FRESHMAN DECLAMATION PRIZE.

A prize is awarded to the member of the Freshman Class who shall excel in declamation at the Annual Contest of the Freshman Class.

The prize for 1902 was awarded to Earl Austin Morton.

THE FRESHMAN ESSAY PRIZE.

An annual prize is given to that member of the Freshman Class who shall on or before the first day of June in each year, present the best essay upon a topic to be selected by the Professor of Rhetoric. The Committee of Award will consist of the Professor of Rhetoric and two others to be designated by the Faculty.

The prize for 1902 was awarded to Norman Mattoon Thomas.

THE SOPHOMORE DECLAMATION PRIZE.

A prize is awarded to the member of the Sophomore Class who shall excel in declamation at the Annual Contest of the Sophomore Class.

The prize for 1902 was awarded to Thomas Edward Cule.

THE SOPHOMORE ESSAY PRIZE.

A prize is awarded to the member of the Sophomore Class who shall write the best English composition on an assigned subject. The Committee of Award consists of the Professor of Rhetoric and two others chosen by him.

The compositions are limited to 2,000 words, and must be presented to the Committee on or before the first day of June.

The prize was awarded in 1902 to Albert George Karge.

DECLAMATION PRIZES FOR WOMEN.

Prizes for the best declamation open for competition to the Sophomore and Freshman Classes, were awarded in 1902 respectively to Olive Schillinger and Pearl Lois Smith.

THE REGISTRAR'S PRIZE.

The Registrar of the University offers a prize to that member of the Junior Class who shall pronounce the best oration at the Junior Exhibition in Oratory.

The Junior oratorical prize was awarded in 1902 to Jane Ridgway Fowler.

THE JUNIOR DEBATE PRIZE.

Prizes are awarded to the two members of the Junior Class who evince superiority in debate at the Junior prize contest.

The first prize was awarded in 1902 to Sylvester Dunlap; the second to John Belmont Cook.

THE HOLLOPETER PRIZE.

William C. Hollopeter, M. D., Class of 1874, has established an annual prize for excellence in Chemistry, to be awarded to that student at graduation who shall have done the best work in Chemistry, regard being had both to the amount and quality of the work.

The prize was awarded in 1902 to Joseph Sanford Davis.

THE HERBERT TUSTIN PRIZE.

In memory of his deceased son, the late Professor F. W. Tustin, Ph. D., of the Class of 1856, paid to the Trustees of the University the sum of five hundred dollars, "as the foundation of the Herbert Tustin Prize Fund, the interest of which is to be forever paid annually as two prizes, in the proportion of fifteen dollars for the First Prize, and of ten dollars for the Second Prize, to the two students of the Senior

Class who shall have attained the highest and the second highest standing in Psychology and Ethics (under such regulations for the pursuit of these studies as the Faculty of the College shall prescribe from time to time), and whose conduct for the last two years of their course in College shall have been without exception."

The first prize was awarded in 1902 to John William McCracken; and the second to Martin Linnaeus Drum.

THE HERBERT GOODMAN BARROWS PRIZES.

In memory of his son, the Reverend William Barrows, A. M., of the Class of 1867, paid to the Trustees of the University the sum of five hundred dollars, "as the foundation of the Herman Goodman Barrows Prize Fund, the interest of which is to forever paid annually as two prizes of equal amounts to the student or two students of the Senior Class who shall have attained the highest standing, respectively, in the Latin and in the Greek language and literature (under such regulations for the pursuit of these studies as the Faculty of the College shall prescribe from time to time), and whose conduct for the last two years of their course in College shall have been without exception."

The Prize for excellence in Greek was not awarded in 1902; the Prize for excellence in Latin was awarded in 1902 to John Davis.

THE JOHN SPRAGUE PRIZE.

The Reverend Thomas Harry Sprague, Ph. B., of the Class of 1897, offers an annual prize to the student who excels in the courses in the English Bible, to be named in memory of his father, The John Sprague English Bible Prize.

This prize was awarded in 1902 to Frances Anna Race.

THE CHAPLAIN J. J. KANE PRIZE.

The Reverend James J. Kane, A. M., Chaplain in the United States Navy, and a graduate from the Theological Department of this University, of the class of 1867, has established a prize which is to be given annually to that member of the graduating class who delivers the best oration on Commencement Day.

This prize was awarded in 1902 to Charity Margaret Runyan.

THE GENERAL MILLER FELLOWSHIP.

A fellowship in Chicago University, open only to graduates of Bucknell University, has been founded by Major-General Charles Miller, A. M., of Franklin, Pa.

The General Miller University Fellow for 1902 is Paul Emil Weithaase, Class of 1898.

SCHOLARSHIPS.

I. THE BUCKNELL SCHOLARSHIPS.

The William Bucknell Scholarships, twenty in number and of $1,000 each, were established for the purpose of aiding worthy young men in securing an education which will increase their usefulness in life. The income of these scholarships is to be paid annually to twenty young men, in accordance with the rules which will be made known upon application to the Committee of Examination, consisting of the President of the University, H. S. Hopper, Esq., and Professor Rockwood.

II. SCHOLARSHIPS FOR MINISTERS' CHILDREN.

Scholarships upon the general foundation have been established for the children of ministers of the Gospel, of all denominations, in active service.

III. THE LIVINGSTON SCHOLARSHIP

Established from a legacy of M. B. Livingston, twenty-two in number, are available for students for the Ministry.

IV. THE LONGAN SCHOLARSHIP.

The Longan Scholarship, established from a legacy of O. W. Longan, Esq., is available for a student for the Ministry from Lycoming County, Pennsylvania.

V. THE LEWIS E. JONES SCHOLARSHIP

Was established from a legacy of the late Lewis E. Jones, and is available for students of Welsh descent to the amount of the income from five hundred dollars.

VI. THE MEDICO-CHIRURGICAL SCHOLARSHIP.

The Medico-Chirurgical Medical College of Philadelphia offers a scholarship covering tuition in that College to the student from Bucknell University who evinces the best preparation and aptitude for medical work.

VII. THE GENERAL MILLER FELLOWSHIPS.

Four scholarships have been established by Major General Charles Miller, A. M., to be awarded to worthy members of the graduating class. These scholarships were awarded for 1902 to Edna Lorine Bacon, John Davis, Frances Anna Race and Charity Margaret Runyan.

For the year 1903, General Miller will increase the number of these scholarships to ten.

VIII. ANNUAL SCHOLARSHIPS.

A number of persons have established annual scholarships for the aid of young men or women attending college. Information concerning ministerial and annual scholarships can be obtained from the President of the University.

HONOR STUDIES.

In order to promote special scholarship in the several departments of study the following provision has been made:

1. Any student who has obtained an average of 9 in the studies of the previous term may take special work in any department of the College, under the direction of the Professor of that department.

2. Such work must be assigned by the Professor, and the method of study prescribed by him.

3. If the students shall attain an aggregate average of 9 in all the studies of the current term, and pass a satisfactory examination in the voluntary study, the work shall be credited to him in the Annual Catalogue of the College.

4. Only one such study shall be pursued by any one student during any one term. A student may also take two honor studies in the Summer vacation.

5. The Professor with whom the student is working shall have the privilege of requiring a partial examination on the work done at any time during the term, and there may be regular recitations at the Professor's option.

6. The amount and quality of this extra work shall be taken into account in awarding honors at graduation.

The following Honor Examinations have been sustained during the year ending June 18th, 1902:

CLASS OF 1902.

Edna Lorine Bacon, in German and in French; Orren Regnall Barrett, in English History; Benjamin Franklin Bieber, in Astronomy and in the History of Art; Charles Isaiah Boyer, in Greek Social Life, in Geology, in Evolution and in Comparative Constitutional Law; Helen Witter Buoy, in History (two courses), in French and in Browning; John Davis, in German (two courses); Joseph Sanford Davis, in Zoölogy, in German and in the History of Chemistry (two courses); Gertrude Jane Deppen, in American Literature, in Economic Theory, in Sociology and in Browning; Martin Linnaeus Drum, in the Philosophy of Mind; Calvin Hayes Elliott, in Geology and in Browning; Carrie Jeannette Halfpenny, in History (three courses), in the Philosophy of Education and in Browning; Henry Thomas Harvey, in History, in German, in Zoölogy and in Natural History; Eli Peter Heckert, in Medieval History, in Astronomy, in French and in Sociology; Sarah Esther Judd, in Economic Theory, in Evolution and in Browning; Thomas Phillips Kyle, in Greek History, in History, in Physiology and in Inductive Logic; Willis Edgar Maneval, in Histology and in Natural History; Olin Stacy Voke Marts, in Economic Theory; John William McCracken, in Blackstone; Joseph Edward Millen, in Astronomy, in Chaucer and in Browning; Frances Anna Race, in Anthropology, in Literary Criticism, in Christian Sociology and in Browning; Phillip Reilly, in the Philosophy of Mind; William Sawyer Robinson, in American Politics, in Evolution and in Natural History; Charity Margaret Runyan, in Spanish, in Literary Criticism, in Christian Sociology and in Browning; Frances Gertrude Scott, in Economic Theory, in Logic and in Browning; Jeannette Bennett Shepard, in French and in Browning; James Wilson Snyder, in History, in the Philosophy of Mind and in Anthropology; Mary Edna Thatcher, in Mechanical Drawing, in Evolution and in Natural History; Lewis Edwin Theiss, in Browning; Levi Joseph Ulmer, in Medieval History, in the Philosophy of Education and in Browning; Mary Ann Hursh Unger, in German (two courses), in the Philosophy of Education and in Browning; Lulu Welliver, in Economic Theory, in Logic and in Browning; Thomas Lamar Williams, in Organic Evolution, in Socialism and in Natural History; Charles Arthur Woodward, in Spanish (two courses), and in Pennsylvania History.

CLASS OF 1903.

Sarah Hammill Ayres, in Chaucer and in Inductive Logic; Irwin Albert Bartholomew, in Colonial History, in Pennsylvania History and in Chaucer; Harry Edmund Bilger, in Surveying and in History;

George Ripley Bliss, in Physics; Remembrance Forde Bresnahan, in Evolution; Elva Sarah Coleman, in German and in Browning; John Belmont Cook, in Geodetic Surveying, in History and in Debate; Robert Macgregor Darlington, in Geodetic Surveying; Alexander Forest Dershimer, in Surveying; Sylvester Dunlap, in American Literature, in Debate and in Logic; Emma Rebekah Ebling, in Logic; Charles Fred Eisenmenger, in German and in French; Mansfield French Forbell, in Evolution and in Inductive Logic; Mary Alma Garrison, in Memorabilia, in Sociology, in History of Art and in Browning; Hannah Goodman, in Memorabilia, in Cicero de Officiis, in American Literature and in French (two courses); Abram Cyrus Gunter, in Surveying, in Physiology and in Anthropology; Reese Harvey Harris, in Argumentation, in Spanish, in Surveying and in Modern Philosophy; Samuel A. Hart, in Oratorical Delivery; James Lloyd Kalp, in Logic and in Ancient Law and Customs; William Lawrence Kalp, in Evolution; Mary Lila Long, in English Bible; Ida Evelyn Luchsinger, in Anthropology, in Sociology and in American Literature; Harry Sill Mauser, in Colonial History, in Logic and in Natural History; Walter Kremer Rhodes, in Mechanical Drawing, in Plotting and in Modern Philosophy; Grace Browning Roberts, in Anthropology, in Sociology, in Christian Sociology and in Inductive Logic; Helen Agatha Selinger, in French, in American Literature, in Evolution and in German; Morton Rutherford Sheldon, in Evolution; Charles Cushman Shorkley, in Experimental Physics; Frank King Singiser, in Debate; Clara Jane Slifer, in German, in French and in Sociology; John McKissick Snow, in French; Cloyd Nillis Steininger, in Economic Theory, in Labor Laws and in Blackstone; Anna Stephens, in Browning; George Herbert Stewart, in Water Analysis; Edward Launcelot Taylor, in Geodetic Surveying and in Experimental Physics; Robert Josiah Terrell, in Evolution and in Debate; Carl Wayland Tiffany, in English Romanticism, in Realty, in Blackstone and in Browning; Howard King Williams, in Sociology, in Evolution and in Modern Philosophy; Roger Henry Williams, in Browning; John Adam Young, in Colonial History, in Advanced Composition and in Botany.

CLASS OF 1904.

Blanche Allyn Bane, in French and in Chaucer; Ralph Lesher Belford, in Sociology; Percival Dewees Browning, in Plotting; Thomas Edward Cule, in German; Charles Hodge Ealy, in German, in Advanced Composition and in English Oratory; Rachel Edna Eddleman, in German; John Henry Eisenhauer, in Surveying and in Higher Alge-

bra; Inez Belle Fike, in Embryology and in French; Edwin Patterson Griffiths, in International Law and in History of Art; Margaret Beaver Groff, in French (two courses); Velola E. Hall, in Christian Sociology; Julius Robert Hayes, in Surveying and in Chemistry; John Edward Heidenreich, in German and in Plotting; Clarence Miller Hursh, in Mechanical Drawing and in Plotting; Royal Ivan Knapp, in Mechanical Drawing and in Roman History; Maurice Caldwell McGiffen, in German; Ebenezer Edward Morris, in Mechanical Drawing and in Plotting; Louis William Robey, in Physiology and in Botany; David William Robinson, in French; Alif Stephens, in Cicero de Officiis; Lloyd Webster, in Astronomy; Walter Samuel Wilcox, in History and in Logic.

CLASS OF 1905.

Estella May Albright, in German; Emory Oliver Bickel, in Higher Algebra and in Civics; Roy Grier Bostwick, in French; Ray Preston Bowen, in German; Mary Isabel Bower, in French; Ferne Frick Braddock, in Livy; Laverda Adelia Burgart, in Higher Algebra and in Spanish; Helen Isabel Overholt Clark, in French; Beatrice Dearing, in Higher Algebra; Samuel Eugene Flack, in Higher Algebra; Nellie May Goddard, in Economicus and in Livy; Mountford James Greene, in Higher Algebra; Norman Elwood Henry, in Economicus and in Odyssey; Phares Gross Hess, in Odyssey and in Christian Sociology; Erskine Jarrett, in Higher Algebra; Nellie Estella Johnson, in French; Harold Voneida Lesher, in Plotting; Jessie McFarland, in French; William Gray Murdock, in History (two courses); Helena Moe Olds, in German (two courses), and in Spanish; Inez Edna Olds, in German (two courses), and in Livy; Punderson Avery Rainey, in Higher Algebra; Lee Russell Ranck, in Higher Algebra and in Civics; Florence Emily Reed, in Spanish; Robert Dale Royer, in Higher Algebra; Samuel Major Seibert, in Logic and in Civics; Anthony Steinhilper, in Odyssey; Nellie Thomas, in Higher Algebra; Thomas Wood, in Higher Algebra and in Elements of Law.

EXPENSES.

The College charges amount to $95 per annum, for those who room in the College building, and $85 for those who room in the town. Tuition is rated at $50 per annum. Students in the course in Civil Engineering are charged $5 per term extra. Students in the other Courses

who take an engineering subject are charged the same rates as students in engineering. This charge is for the regular work; when a fourth study or honor study is taken, an extra charge is made. Graduation fee and diploma, $10. Masters' Degree and Diploma, $10.

The Study Rooms in the Main College are so arranged that two students occupy the same study. The Dormitories are intended to accommodate only one person, so that each student has his own private sleeping room. These are furnished with spring bedsteads. The student must supply himself with all other furniture. Students are responsible for damage to their rooms, whether it be done when they are present in the room or absent from it.

If a student occupy a study by himself, the charges for room-rent and private fuel will be doubled.

An extra charge ranging from $5 to $10 per term is charged for rooms in the West College.

An additional charge is made for rooms cared for by the Institution.

Young men in the Collegiate Department, who so desire, can have furnished rooms in the West College, with board in the Academy; young women in the same department room and board in the Institute. The charge for the year is $260.

The assignments of rooms are for one year, and are made the first Monday morning in June, immediately after the devotional exercises in Bucknell Hall. Students from a distance will save inconvenience by applying to the Registrar for a room before the term opens.

In the Laboratories students pay for chemicals used and for apparatus broken or damaged. In the chemical laboratory this will amount to about $10 for Analytical and $3 for General Chemistry, depending upon the care of the student.

A small fee is charged also in each of the elective courses in the department of Organic Science, and in Surveying and Engineering, for the use of instruments and for material used.

Before entering upon the experimental courses students must deposit with the Registrar security for materials used.

These charges must be paid in advance at the beginning of each term.

No student is entitled to his place in his class until he has made settlement with the Registrar.

Students can board in clubs at a cost of from $2.00 to $2.50 per week. Excellent boarding can be obtained in private families at $3.00 or $4.00 per week, or at the table of the Bucknell Academy at $3.00 per week. Washing is done at 25 cents per week. No boarding is allowed in the College building.

Fifty-Second Annual Commencement.

WEDNESDAY, JUNE 18, 1902.

HONORS AT GRADUATION.

ORATIONS SUMMA CUM LAUDE.

Edna Lorine Bacon,
Charles Isaiah Boyer.
Helen Witter Buoy,
John Davis,
Martin Linnaeus Drum,
Eli Peter Heckert,
John William McCracken,
Willis Edgar Maneval,
Frances Anna Race,
Charity Margaret Runyan,
Mary Ann Hursh Unger.

ORATIONS MAGNA CUM LAUDE.

Joseph Sanford Davis,
Carrie Jeannette Halfpenny,
Henry Thomas Harvey,
Henry Joseph Johnson,
Sarah Ethel Judd,
Phillip J. Reilly,
William Sawyer Robinson,
Frances Gertrude Scott,
James Wilson Snyder,
Mary Edna Thatcher,
Levi Joseph Ulmer,
William David Zerby,

ORATIONS CUM LAUDE.

Orren Regnall Barrett,
Gertrude Jane Deppen,
Charles Edward Goodall,
Thomas Phillips Kyle,
Olin Stacy Voke Marts,
Joseph Edward Millen,
Jeannette Bennett Shepard,
Lulu Welliver,
Thomas Lamar Williams.

ORATIONS.

Abner Detwiler Bentz,
Benjamin Franklin Bieber,
Edward Burrowes,
George Thomas Cooper,
William Leigh Durham,
Calvin Hayes Elliott,
George Washington English,
Raymond Greene,
Anna Elizabeth Noaker,
John Black Packer,
Thomas Andrew Sherbondy,
Frank White Stanton,
Lewis Edwin Theiss,
Yencer Weidensaul,
John Holman Weiser,
John E. Williams,
Charles Arthur Woodward.

DEGREES CONFERRED ON EXAMINATION.

MASTER OF ARTS.

Laura Louisa Allen,
Catharine Ruth Bower,
Charles Ernest Bunnell,
Frank Eugene Burpee,
Minnie Cotton Calvin,
Creighton M. Konkle,
Grace Sophronia Woodard.

MASTER OF PHILOSOPHY.

Anna Curzon Judd,
Jacob Henry Minick,
Lewis Clark Walkinshaw.

MASTER OF SCIENCE.

Eliza Johnston Martin,
Glenn Giffen Durham.

BACHELOR OF ARTS.

Edna Lorine Bacon,
Orren Regnall Barrett,
Benjamin Franklin Bieber,
John Davis,
Eli Peter Heckert,
John William McCracken,
Olin Stacy Voke Marts,
Frances Anna Race,
Phillip J. Reilly,
Charity Margaret Runyan,
James Wilson Snyder,
Frank White Stanton,
Mary Ann Hursh Unger,
Lulu Welliver,
Charles Arthur Woodard,
William David Zerby.

BACHELOR OF PHILOSOPHY.

Abner Detwiler Bentz,
Charles Isaiah Boyer,
Helen Witter Buoy,
Edward Burrowes,
Joseph Sanford Davis,
Martin Linnaeus Drum,
Charles Edward Goodall,
Henry Thomas Harvey,
Henry Joseph Johnson,
Willis Edgar Maneval,
William Sawyer Robinson,
Lewis Edwin Theiss.

BACHELOR OF SCIENCE.

George Thomas Cooper,
Gertrude Jane Deppen,
William Leigh Durham,
Calvin Hayes Elliott,
George Washington English,
Raymond Greene,
Carrie Jeannette Halfpenny,
Sarah Ethel Judd,
Thomas Phillips Kyle,
Joseph Edward Millen,
Anna Elizabeth Noaker,
John Black Packer,
Frances Gertrude Scott,
Jeannette Bennett Shepard,
Thomas Andrew Sherbondy,
Mary Edna Thatcher,
Levi Joseph Ulmer,
Yencer M. Weidensaul,
John Holman Weiser,
John E. Williams,
Thomas Lamar Williams.

MASTER OF ARTS IN COURSE.

Benjamin Franklin Thomas.

HONORARY DEGREES CONFERRED.

MASTER OF ARTS.

O. B. Dickinson, Esquire. The Reverend John W. Evans.

DOCTOR OF DIVINITY.

The Reverend Bernard MacMackin, A. M., B. D.,
The Reverend William Morris,
The Reverend Herbert Fenton Stillwell, A. M., B.D.,

DOCTOR OF LAWS.

The Reverend Adoniram Judson Rowland, D. D.

Commencement Addresses.

Baccalaureate Sermon, ...The President.
Special Sermon, ...Howard Fetzer King, D. D.
Address before the Literary Societies,..Albion Woodbury Small, LL. D.
Address before the Alumni Association, ...Francis John Parry, D. D.
Poem before the Alumni Association, ...
.....Hon. Solomon Lincoln Walter, A. M.
Address, Academy Commencement, ...The President.
Address, Institute Commencement, ...George Washington Cable.
Address to the College Class,.....Ernest Leigh Tustin, A. M.
Address, Corporation Dinner,..Major-General Charles Miller, A. M.

TEACHERS' PERMANENT CERTIFICATES

Awarded by the State of Pennsylvania to Graduates of Bucknell College, 1901-1902:

Charles Franklin Bidelspacher, A.B
Charles Isaiah Boyer, PH. B.
Marion Aubrey Carringer, PH. B.
George Thomas Cooper, SC. B.
Eli Peter Heckert, A. B.
John William McCracken, A. B.
Willis Edgar Maneval, PH. B.
William Sawyer Robinson, PH. B.
Levi Joseph Ulmer, SC. B.
John E. Williams, SC. B.

THE ACADEMY.

INSTRUCTORS AND OTHER OFFICERS.

JOHN HOWARD HARRIS, PH. D., LL. D.,
PRESIDENT OF THE UNIVERSITY.

THOMAS A. EDWARDS, A. M., PRINCIPAL,
LATIN.

FRANK MORTON SIMPSON, SC. M.,
SCIENCE.

EDWARD BELL, A. M.,
HISTORY AND ENGLISH.

MARTIN LINNAEUS DRUM, PH. B.,
MATHEMATICS.

FRANK EUGENE BURPEE, A. M.,
GREEK.

MRS. ANNA M. BLACK,
MATRON.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,
REGISTRAR OF THE UNIVERSITY.

Students

THE FOURTH FORM.

CLASSICAL.

NAME.	RESIDENCE.	ROOM.
James Elliott, Jr.,	*Philadelphia.*	No. 11 Main Hall
Havard Griffith,	*Lewisburg.*	University Avenue
Spenser Tillinghast Harris,	*Wayne.*	No. 8, West Wing
Frank Paul Langhorne,	*Philadelphia.*	No. 11, Main Hall
Edwin Wilde Saylor,	*Philadelphia.*	No. 7, West Wing

LATIN SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
Carlton Gilfilen App,	*Lewisburg.*	South Fourth Street
Frederick Russell Bower,	*Lewisburg.*	South Sixth Street
Elias Wilson Groover,	*Lewisburg.*	Lewisburg
George Bailey Harris,	*Lewisburg.*	University Avenue
Arthur Evril McNinch,	*Lewisburg.*	South Second Street
Edwin LeRoy Royer,	*Rebersburg.*	No. 12, West College
Sydney Homer Smith,	*Turbotville.*	No. 10, Main Hall

NAME.	RESIDENCE.	ROOM.
JONATHAN WOLFE,	*Lewisburg.*	St. George Street

SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
ADIE KYLE BELL,	*Sabbath Rest.*	No. 79 West College
JAY RODENBAUGH CORNOG,	*Sergeantsville, N. J.*	South Fifth Street
WILLIAM FRANCIS EVANS,	*Jeanesville.*	No. 7, East Hall
JOHN HOWARD STOVER,	*Altoona.*	South Third Street

THE THIRD FORM.

CLASSICAL.

NAME.	RESIDENCE.	ROOM.
WINFIELD SCOTT BOOTH,	*Philadelphia.*	No. 6, Main Hall
JOSEPH WELLS HENDERSON,	*Montgomery.*	Montgomery
CLAUDE GRAVES MOORE,	*Niles Valley.*	No. 17, East Hall
WILLIAM PROSSER,	*Black Diamond, Wash.*	No. 10, East Wing
RALPH LLEWELLYN THOMAS,	*Lewisburg.*	East Market Street
WARREN TYSON WILSON,	*Du Bois.*	No. 10, East Hall
CHARLEMAGNE TOWER WOLFE,	*Lewisburg.*	North Third Street

LATIN SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
STEPHEN GARDNER DUNCAN,	*Lewisburg.*	South Second Street
JAMES ANDREWS GROFF,	*Lewisburg.*	Lewisburg
HAROLD BURROWS HENDERSON,	*Montgomery.*	Montgomery
KENDRICK LUCIAN OSBORN,	*Clyde, N. Y.*	No. 4, Main Hall

SCIENTIFIC.

NAME.	RESIDENCE.	ROOM.
VANCE LAWRY EALY,	*Schellsburg.*	No. 8, Main Hall
CLYDE HENRY HAINES,	*Winfield.*	Winfield
JOSEPH HARVEY KERR,	*Mooresburg.*	No. 3, Main Hall
JOHN RAYMOND KERR,	*Mooresburg.*	No 3, Main Hall
JOHN EDWARD MCELROY,	*McKeesport.*	No. 77, West College
HARRY LINCOLN MOHN,	*Vilas.*	No. 21, East Hall

THE SECOND FORM.

NAME.	RESIDENCE.	ROOM.
JOSEPH CHAMBERS BYERS,	*Mt. Pleasant.*	No. 18, East Hall
ROBERT BURNS CAMPBELL,	*Kane.*	No. 19, East Hall
WILLIAM STEWART DUNCAN,	*Duncannon.*	No. 8, East Hall
JAMES WILSON FERRELL,	*New Freeport.*	No. 4, Main Hall
JOHN JOSEPH HARVEY,	*Havre, Montana.*	No. 5, Main Hall
LAWSON EDWARD HAUCK,	*Wayne.*	No. 8, West Wing
DAVID JACKSON HAWK,	*Tower City.*	No. 9, East Hall

NAME.	RESIDENCE.	ROOM.
Cloyd Albert Hazlett,	*Huntingdon.*	No. 15, East Hall
William Leslie Horam,	*Lewisburg.*	North Second Street
Herman Henry Klerx,	*Sunbury.*	Sunbury
William Leiser,	*Lewisburg.*	North Fourth Street
Frank McDonald,	*New Orange, N. J.*	No. 10, Main Hall
Earl George Mears,	*Cross Forks.*	No. 21, East Hall
Emory L. Miller,	*Sunbury.*	Sunbury
Charles Husted Montgomery,	*Baltimore, Md.*	No. 14, East Hall
Charles Henry O'Neill,	*Philadelphia.*	No. 23, East Hall
Albert Waffle Owens,	*Lewisburg.*	South Sixth Street
Preston Mettler Savidge,	*Sunbury.*	Sunbury
William Curtis Wagner,	*Watsontown.*	Watsontown

THE FIRST FORM.

NAME.	RESIDENCE.	ROOM.
Ned Logan Brown,	*Pleasant Unity.*	No. 11, East Hall
Theodore Davis,	*Donora.*	No. 10, East Hall
Scott Hilliard,	*Montgomery.*	Montgomery
Alvin Leonard,	*Ansonville.*	No. 21, East Hall
Harry Garfield Neithamer,	*Tower City.*	No. 20 East Hall
Harold Stanley Rhodes,	*Lewisburg.*	North Third Street
Charles Trauger Smith,	*Trauger's Station.*	No. 11, East Hall

STUDENTS PURSUING SELECT STUDIES.

NAME.	RESIDENCE.	ROOM.
Albert Daniel Barton,	*Philadelphia.*	No. 13, East Hall
Charles Rodman Barton,	*Philadelphia.*	No. 13, East Hall
Ernest Sabin Burrows,	*Picture Rocks.*	No. 22, East Hall
Malcolm Purdy Davis,	*Allenwood.*	Allenwood
Harry F. Douglass,	*Bradford.*	No. 31 West Wing
Robert Amos Edgcomb,	*Galeton.*	No. 14, East Hall
Ellison McLean Fassett,	*Canton.*	No. 8, Main Hall
Norman Buckland Gardner,	*Sunbury.*	Sunbury
John M. Gemmill,	*Allenwood.*	Allenwood
John Gillis,	*Nanticoke.*	No. 24, East Wing
Harold Chester Godshall,	*Philadelphia.*	No. 12, Main Hall
Charles M. Griminger,	*Altoona.*	No. 6, West Wing
George William Hawk,	*Tower City.*	No. 9, East Hall
George Washington Kerschner,	*Trevorton.*	No. 24½, East Wing
Victor Allen McHenry,	*Cambria.*	No. 19, East Hall
Max M. Ozersky,	*Youngstown, O.*	No. 24, East Wing
Carl Eugene Patchin,	*Patchinville.*	No. 16, West College
Harry Benjamin Scheirer,	*Mahanoy City.*	No. 72, West College
William A. Shipp,	*Shamokin.*	No. 20, West Wing
Robert Jacobi Simington,	*Mooresburg.*	No. 12, Main Hall

NAME.	RESIDENCE.	ROOM.
Frederic Raymond Switzer,	*Treverton.*	No. 66, West College
Howard Lowry Tomb,	*Wilkinsburg.*	No. 14, East Hall
Oliver B. Wanner,	*Fleetwood.*	No. 18, East Hall
Wallace Wellington Wolf,	*Waterville.*	No. 6, Main Hall

SUMMARY.

The Fourth Form, Classical,	5
" " Latin Scientific,	8
" " Scientific,	4
	—17
The Third Form, Classical,	7
" " Latin Scietntific,	4
" " Scientific	6
	—17
The Second Form,	19
The First Form,	7
Students Pursuing Select Studies,	24
	—50
	—
Total in Academy,	84

Students enrolled in other departments of the University who receive instruction in the Academy classes.

Greek of the Fourth Form,	7
" " Third "	4
Latin " Second "	5
" " Third "	11
" " Fourth "	6
Mathematics, Fourth Form	2
Other Classes,	2
	—
Total receiving instruction in Academy classes,	121

Courses of Study.

The Academy is designed to fit pupils for College, for Teaching, or for Business. It offers three Courses of Study.

I. The Classical Course extends through four years and is arranged to meet the requirements for admission to College. The study of Latin begins with the First Form and continues for four years. The study of Greek begins with the Third Form and continues for two years. Notwithstanding the time given to these branches of study, fully one-half of the time of the entire course is devoted to English, Historical, Mathematical, and Scientific subjects.

II. The Latin Scientific Course extends through four years and furnishes adequate preparation for either division of the Philosophical Course in College. The First and Second Forms of the Classical and the Scientific Courses are identical. In the Third and Fourth Forms, the student preparing for the Latin Division substitutes Historical and Scientific subjects for the Greek of the Classical Course; while the student preparing for the Greek division substitutes the Greek of the Third and Fourth Forms for the Latin and includes Historical and Scientific subjects.

III. The Scientific Course extends through four years and prepares for the Corresponding course in College. For the Vergil and the Cicero of the Latin Scientific Course, it substitutes one term of Advanced English, one term of Chemistry, and one year of German.

Students who are able to accomplish more work in the allotted time than is required by the Classical Course, are encouraged to add the special studies of the Scientific Course. They may also pursue extra honor work in the Classics by reading, under an instructor's direction, Cæsar's Civil War, Cicero's Letters, or Vergil's Eclogues, and Books IV, V, VI, of the Iliad, or the Cyropædia.

Students will be admitted to the Form for which they are prepared.

Students who do not intend to enter College, but who desire a comprehensive academic training, will find the Scientific or the Latin Scientific Course, well adapted to prepare them for teaching or for business.

Transient students may elect from the studies offered in any term such branches as they are qualified to pursue.

Curricula.

I. THE CLASSICAL COURSE.

FIRST FORM.

I. Term—Arithmetic, Penmanship,
English Grammar, Orthography,
History of the United States, Reading,
Latin,

II. Term—Arithmetic, Penmanship or Drawing,
English Grammar, Orthography and Etymology,
General History, Reading,
Latin,

III. Term—Arithmetic, Penmanship or Drawing,
English Language, Orthography and Etymology,
General History, Reading,
Latin,

SECOND FORM.

I. Term—Higher Arithmetic, Penmanship or Drawing,
Latin—Lessons, Literature and Elocution,
History of Greece, Bible.

II. Term—Book-keeping, Penmanship or Drawing,
Latin—Grammar, Literature and Elocution,
Gate to Cæsar, Bible.
History of Rome,

III. Term—Physical Geography, Penmanship or Drawing,
Cæsar, Literature and Elocution,
Rhetoric, Bible.
Elementary Botany,

THIRD FORM.

I. Term—Physics, Composition,
Latin—Cæsar, Literature and Elocution,
Composition, Bible.
Greek—Lessons.

II. Term—Algebra, Vergil's Æneid, Greek—Lessons, Grammar, Composition, Literature and Elocution, Bible.

III. Term—Algebra, Vergil's Æneid, Xenophon's Anabasis, Composition, Literature and Elocution, Bible.

FOURTH FORM.

I. Term—Plane Geometry, Latin—Vergil's Æneid, Prosody, Xenophon's Anabasis, Greek Prose Composition, Literature and Oratory, Elocution, Bible.

II. Term—Plane Geometry, Latin—Cicero's Orations, Prose Composition, Homer's Iliad, Literature and Oratory, Elocution, Bible.

III. Term—Algebra, Quadratics, Cicero's Orations, Greek—Homer's Iliad, Prose Composition, Xenophon's Anabasis, Literature and Oratory, Elocution, Bible.

II. THE LATIN SCIENTIFIC COURSE.

FIRST FORM.

I. Term—Arithmetic, English Grammar, History of the United States, Latin, Penmanship, Orthography, Reading.

II. Term—Arithmetic, English Grammar, General History, Latin, Penmanship or Drawing, Orthography and Etymology, Reading.

III. Term—Arithmetic, English Language, General History, Latin, Penmanship or Drawing, Orthography and Etymology, Reading.

SECOND FORM.

I.	TERM—Higher Arithmetic,	Bible.
	History of Greece,	Penmanship or Drawing,
	Latin—Lessons,	Literature or Elocution,
II.	TERM—Book-keeping,	Penmanship or Drawing,
	Latin—Grammar,	Literature and Elocution,
	Gate to Cæsar,	Bible.
	History of Rome,	
III.	TERM—Physical Geography,	Penmanship or Drawing,
	Cæsar,	Literature and Elocution,
	Rhetoric,	Bible.
	Elementary Botany,	

THIRD FORM.

I.	TERM—Physics,	Composition,
	Latin—Cæsar,	Literature and Elocution,
	Composition,	Bible.
	History of England,	
II.	TERM—Algebra,	Composition,
	Vergil's Æneid,	Literature and Elocution,
	Literature,	Bible.
III.	TERM—Algebra,	Composition,
	Vergil's Æneid,	Literature and Elocution,
	Civil Government,	Bible.

FOURTH FORM.

I.	TERM—Plane Geometry,	Literature and Oratory,
	Latin—Vergil's Æneid,	Elocution,
	Prosody,	Bible.
	Physiology, or German,	
II.	TERM—Plane Geometry,	Literature and Oratory,
	Latin—Cicero's Orations,	Elocution,
	Prose Composition,	Bible.
	Astronomy, or German,	
III.	TERM—Algebra, Quadratics,	Literature and Oratory,
	Cicero's Orations,	Elocution,
	Solid Geometry, or	Bible.
	Geology, or German,	

III. THE SCIENTIFIC COURSE.

FIRST FORM.

I. Term—Arithmetic, Penmanship,
English Grammar, Orthography,
History of the United States, Reading.
Latin,

II. Term—Arithmetic, Penmanship or Drawing,
English Grammar, Orthography and Etymology,
General History, Reading.
Latin,

III. Term—Arithmetic, Penmanship or Drawing,
English Language, Orthography and Etymology,
General History, Reading.
Latin,

SECOND FORM.

I. Term—Higher Arithmetic, Penmanship or Drawing,
Latin—Lessons, Literature or Elocution,
History of Greece, Bible.

II. Term—Book-keeping, Penmanship or Drawing,
Latin—Grammar, Literature and Elocution,
Gate to Cæsar, Bible.
History of Rome,

III. Term—Physical Geography, Penmanship or Drawing,
Cæsar, Literature and Elocution,
Rhetoric, Bible.
Elementary Botany,

THIRD FORM.

I. Term—Physics, Composition,
Latin—Cæsar, Literature and Elocution,
Composition, Bible.
History of England,

II.	TERM—Algebra, Chemistry, Literature,	Composition, Literature and Elocution, Bible.
III.	TERM—Algebra, Advanced English, Civil Government,	Composition, Literature and Elocution, Bible.

FOURTH FORM.

I.	TERM—Algebra, Quadratics, German, Physiology,	Literature and Oratory, Elocution, Bible.
II.	TERM—Plane Geometry, German, Astronomy,	Literature and Oratory, Elocution, Bible.
III.	TERM—Plane Geometry, German, Solid Geometry, or Geology, Latin Review,	Literature and Oratory, Elocution, Bible.

TEXT-BOOKS.

ENGLISH LANGUAGE AND LITERATURE:—Reed's Word Lessons; Kellogg and Reed's Word Building; Sheldon's Advanced Lessons in English; Reed and Kellogg's Higher Lessons; Butler's Composition; Carpenter's Elements of Rhetoric; Pancoast's Representative English Literature; English and American Classics, various editions.

MATHEMATICS:—Milne's Standard Arithmetic; Wentworth and Hill's Higher Arithmetic; Durell and Robbins' Complete Algebra; Wentworth's Geometry; Bryant's High School Book-keeping.

HISTORY AND GOVERNMENT:—McLaughlin's United States; Myers' General; Montgomery's English; Myers' Greece; Myers' Rome; Macy's Civil Government.

GREEK:—White's First Greek Book; Goodwin's Greek Grammar; Goodwin's Anabasis; Seymour's Iliad; Pearson's Prose Composition.

LATIN:—Collar and Daniell's First Latin Book; Collar's Gate to Cæsar; Allen and Greenough's Grammar; Bennett's Latin Prose; Allen and Greenough's New Cæsar; Greenough and Kittredge's Vergil; Allen and Greenough's New Cicero.

SCIENCE:—Davis's Physical Geography; Carhart & Chute's Physics; Young's Lessons in Astronomy; Martin's Briefer Course in Physiology; Le Conte's Elements of Geology; Arey's Chemistry.

Methods of Instruction.

The Preparatory Curriculum naturally falls into seven principal lines of study, viz: English, German, Latin, Greek, History, Mathematics, and Natural Science. These combine, in due proportion, the cultural, the disciplinary, and the practical elements of intermediate education. The two great divisions of modern study, the Classical and the Scientific, are accorded adequate and appropriate preparation. The subjects, facilities, and methods of the various departments are explained below.

I. THE ENGLISH LANGUAGE.

A thorough grounding in the principles of English Grammar is indispensable to the student's progress in the subsequent language studies. The continuous application of this knowledge in Composition, and the constant comparison with the forms and idioms of the Ancient Languages, prepare the way for the study of elementary Rhetoric, and the appreciative reading of English and American Literature.

II. THE LATIN LANGUAGE.

Careful drill is given in the declensions and conjugations, in the use of the moods and the sequences of tenses, in the ready reading of the Latin text, in sight reading and in accurate translation into idiomatic English. Attention is given to the important personal, historical, and political elements in the writings of Cæsar and Cicero. In Vergil, the student is introduced to the poetry, legend, religion, and art of Rome. He is taught to investigate the allegorical, archæological, and mythical allusions of the Æneid, and to appreciate it as the mirror of the life of the Empire. Latin prosody is taught first from the text, and then from the grammar.

III. THE GREEK LANGUAGE.

The first two terms of the Third Form are spent in a thorough study of White's First Greek Book. In the third term Xenophon's Anabasis is

read, and special attention is given to acquiring a vocabulary and to the forms and syntax of nouns, pronouns, and adjectives. In the first half of the Fourth Form the reading of Xenophon is continued. During the last half year Homer's Iliad is read, and the difference between Homeric and Attic Forms is noted. Throughout the course Prose Composition is frequently given for the purpose of acquiring a vocabulary and a knowledge of syntax.

IV. THE GERMAN LANGUAGE.

One year's study of German is required of members of the Fourth Form of the Scientific Course. The same work may be elected by the members of the corresponding form of the Latin Scientific Course instead of the science subjects of that course. In the study of German, the aim is a thorough acquaintance with declensions and conjugations; facility of pronunciation; quick recognition of words both by the eye and the ear; as extensive a vocabulary as the time will allow; and by constant practice the laying of a foundation for reading, writing, and speaking the language.

V. HISTORY.

The course in History includes a survey of the History of the United States, of England, of Greece, and of Rome. The aim is to acquaint the student with the life, the genius, the institutions, and the achievements of the respective peoples, and their part in the wider history of mankind.

Civil Government is taught as a preparation for intelligent citizenship. The origin and growth of our institutions, the functions of the various departments of the National, State, and local governments, the political history of the people, the interpretation and construction of the Constitution, are presented and discussed.

VI. MATHEMATICS.

Arithmetic. To students who are fitting themselves for business, a course is given in practical business Arithmetic, involving all the ordinary problems and practices in the business world. To those who are preparing for college or for teaching, instruction is given in the theory and science of Arithmetic. Pupils are expected to master the principles and then to formulate their own rules.

Algebra. The course extends through one year, and includes a knowledge of the fundamental principles, Factoring, Divisors, and Multiples, Fractions, Equations, Involution, Evolution, Theory of Exponents, Radicals, and Quadratic Equations. Daily Blackboard work serves to apply the principles taught. The student is required both to know the methods of the solution of problems and also to explain the operation to the class.

Plane and Solid Geometry. —The instruction consists in daily recitations for two terms on the Theorems and Problems given in the text-book, with original demonstrations of the same propositions by the students from hints and figures given in the class-room. Besides this, considerable attention is given to the solution of original Propositions, and the application of principles thus learned to the solution of numerical problems.

Book-keeping. —A practical introduction to the science of accounts is secured in the term devoted to mastering the principles of Double Entry Book-keeping. Careful attention is given to business forms, to the usages of Banks, and to the elements of Commercial Law. The subject may be pursued in its more extended and intricate applications by a second term's work, open to properly qualified students.

VII. SCIENCE.

Physical Geography lays a foundation for subsequent work in all sciences. It surveys the earth's physiography, climate, atmosphere, fauna, flora, ocean tides and currents, and geological agencies. Special attention is given to the physical features of the United States. The subject is illustrated by drawings, photographs, colored and relief maps, and specimens from the Museum.

Botany is taught by text-book, field exercise, plant analysis, and weekly lectures. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. The subject is then reviewed by daily drill in analyzing, recording, classifying, and preserving specimens. The recorded analysis of fifty plants is required. Lectures explaining special forms of vegetable growth, the flora of this country, the cultivation, uses, and history of plants complete the work.

Physiology. —Every effort is made to impart clear ideas of the structure, parts, and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, the effects of stimulants and narcotics. Suggestions are constantly made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and ac-

cidents and emergencies. Charts, manikin, and preparations are used in class.

Physics. —The student is grounded in the elements of mechanics and physics. The apparatus of the College Laboratory is available for use. The historical beginnings of each subject, and subsequent development, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences, by instruction, experiments, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the mathematics of the higher course in College.

Astronomy. —Descriptive Astronomy discusses the earth's relations to the solar system, the masses, motions, and orbits of each member of it; the causes and consequences of the motions of the earth; general boundaries of the constellations of the Zodiac and northern heavens; the theories of comets, meteors, and nebulæ. Charts, star maps, globes, and other apparatus are used, and the student is afforded privileges of observation in the College Observatory.

Geology. —The student masters the elements of lithological, structural, dynamic, and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics, and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work, and that have worked to produce changes, are considered.

VIII. ORATORY.

Class Exercises. —Members of the Fourth Form prepare and deliver two original orations each term. All other students have regular exercises in Composition and Declamation throughout the year. Public exercises are held on Saturday morning, before the faculty and students of the Academy. Visitors are cordially invited to these exercises.

In addition to the private rehearsals for the work above indicated, all students receive weekly instruction in Elocution. The course includes careful drill in the Elementary sounds, in Articulation, and in expression; in Analytical Reading, including the Bible and Hymns; and the reading of Shakspere.

IX. SPECIAL BRANCHES.

Bible Study. —The study of the Bible is pursued as a regular weekly recitation throughout the Second, Third, and Fourth Forms, in all courses of study. A scheme of study is arranged at the beginning of each year. It is intended that the successive schemes for the various years of the course will cover the Life of Christ, the historical portions of the Old Testament foreshadowing the Christ, and the history of the Apostolic Church.

Literature Study. —The reading and study of the masterpieces of English and American Literature is maintained in the Second, Third, and Fourth Forms by means of weekly recitations and conferences. The work required is identical with the "Scheme of Uniform Entrance Examinations in English Language and Literature," adopted by the "Association of Colleges and Preparatory Schools of the Middle States and Maryland." It comprises (a) careful readings of representative works of certain authors, as literature; (b) thorough study as to "subject-matter, form, and structure" of other selections. Regular examinations will determine the student's proficiency.

The Study of Music may be pursued by Academic students under the instruction of Professor E. Aviragnet and his assistants, of the School of Music.

Drawing. —All students of the Academy may receive throughout the year weekly lessons in Free-hand Drawing and Penmanship without extra charge. Special individual instruction in Drawing is afforded at twenty-four dollars per annum.

X. HEALTH AND PHYSICAL CULTURE.

The Tustin Gymnasium affords opportunity for physical exercise. The Directors of the Gymnasium give regular class execises to the students of the Academy. Attendance upon physical training in the Gymnasium is obligatory during the Winter Term.

The Athletic Association of the Academy has been formed to encourage and regulate athletic sports. The Association is allowed to arrange match games with other similar bodies by first securing the consent of the Principal.

PUBLIC EXHIBITIONS.

THIRD FORM.

The Public Exhibition in Declamation by the Third Form will take place on Saturday evening, April 18th, 1903, in Bucknell Hall.

FOURTH FORM.

The closing exercises of the Academy will be the Public Exhibition in Oratory of the Fourth Form, on Tuesday morning, June 23rd, 1903.

General Information.

ADVANTAGES.

To the student seeking preparation for College, the Academy offers unusual inducements. Its proximity to the College secures to him an atmosphere of study, acquaintance with the guides and companions of his future course, and the benefit of numerous literary exercises to be found only in College towns. He has access to the College Library and Reading Room. The Academy is designed to fit pupils thoroughly for College and Technical Schools, and to lay broad and solid foundations for all subsequent scholarly culture and for the successful conduct of every-day affairs.

GOVERNMENT.

Students are encouraged to regard self-government as the only true government. It will be the constant endeavor to secure uprightness of character, gentlemanly deportment, and diligent application to work, by kind treatment, and high standards in conduct and study.

I. ADMINISTRATION.

1. The general control of the Academy is vested in the President of the University.

2. The government of the Academy, subject to such control, rests with the Principal of the Academy.

3. The government of each Hall is vested in the Instructor in charge, who resides in the Hall and enforces regulations for the Hours of Study, Academy Property, Hygienic Precautions, and General Deportment, and such other prudential regulations as may be ordered by the joint concurrence of the President of the University and the Principal of the Academy.

4. Each instructor shall have charge of his classes with reference to attendance upon recitations. He shall report to the Principal cases of non-attendance, and inexcusable failure on the part of students to prepare regular lessons or special work assigned.

II. VIOLATION OF RULES.

1. Any officer of the Institution becoming cognizant of any violation of the regulations by any pupil shall report the same to the Principal of the Academy, who shall make a record of the fact in a book provided for the purpose.

2. Every violation of the laws and prudential regulations of the Academy will subject the offender to a penalty of demerits, graded according to the flagrancy and frequency of the offense.

3. When the sum of a pupil's demerits equal ten it shall be the Principal's duty to notify the parent or guardian of the offender, specifying the offense; for every additional five demerits like notification shall be made.

4. Additional disciplinary penalties in the form of reprimand, "campus," suspension, dismissal, or expulsion, according to the necessities of the case, will follow repeated violations.

BUILDINGS AND ROOMS.

The Academy Buildings are described in detail in the introductory pages of the Catalogue.

The Main Building contains, besides its accommodations for other school and boarding purposes, rooms for students. The rooms are designed to accommodate two students each, and are twenty feet by twelve feet, and fourteen feet high. They are subdivided into a study room twelve feet by ten feet, and a sleeping room nine feet square.

The East Hall contains combined study and sleeping rooms, each designed for two students. These rooms are fifteen feet by twelve feet, with high ceilings, and contain two commodious closets and two single wire mattress beds with all necessary furniture.

UNFURNISHED ROOMS.

The Academy has a number of unfurnished rooms for the accommodation of students of mature years and of limited means. No attention by servants is given to these rooms, nor are lights supplied. Two students occupy a study room in common. The sleeping rooms are provided with single bedsteads with wire mattress. All other furnishing is to be done by the occupants. While second-hand articles of furniture may be obtained here, it will be to the student's advantage to bring from home bedding and carpets. The dimensions of the study rooms are ten feet by twelve feet; of the sleeping rooms, nine feet by nine feet.

ARTICLES REQUIRED.

Each student should be provided with an umbrella, overshoes, table napkins, towels, soap, and other articles usually required for personal comfort. All articles for the laundry should be marked with the owner's name.

BOARDING.

All students from a distance will occupy rooms and will board in the Academy, except for reasons jointly satisfactory to the President of the University and the Principal of the Academy.

The Principal and his family, the Instructors, and the Matron live in the building, take their meals with the boarders, and strive in all possible ways to secure the welfare and happiness of the students. The instructors occupy rooms adjacent to the students' apartments. The appointments of the Dining Room, the character of the table supplies, the household service in general, are designed to furnish the comforts of a first-class boarding-house. So far as may be warranted by the deportment of the students, there will be absent from the home-life of the school all needless uniformity and irksome limitations, which disregard the reasonable individual preference of pupils.

The Academy gives to furnished rooms daily and complete attention, provides and washes all bedding and bed clothing, and supplies and cares for all lights.

Engagements for board and rooms are expected to continue without change to the end of the school year for which they are made.

APPLIANCES.

The Academy is in possession of excellent apparatus for instruction. A select Reference Library, containing Encyclopedias, Lexicons, Dictionaries, Atlases, and various other helps, is accessible to students at all hours. The Classical Recitation Rooms are provided with Kiepert's Wall Maps of Ancient Geography, and with Reinhard's Album of Ancient Antiquities, mounted. Metric apparatus, Maps and Globes render assistance in other directions.

The apparatus of the College also is accessible to the classes for purposes of experiment and illustration.

The College Library, numbering 22,000 volumes, is available for all students.

SCHOOL-ROOM.

In order to insure favorable conditions of study, the Academy maintains a commodious and well-appointed school-room. The school life centers in this room. Here, except when engaged in recitations, day students prepare their work, unless excused for a part of the time, for good cause; here also all the younger students of the lower forms prepare for their recitations. Advanced students and those of maturer years, who have acquired habits of independent study, are granted the privilege of preparing part of their work in their rooms, provided that they maintain high scholarship and excellent deportment.

HOURS.

The time devoted to study and recitation amounts to nine hours every week-day, except Saturday, when it is only two hours. This time should be sacred to its purpose. Parents of day pupils are requested to co-operate with the school in securing attention to evening study hours, and to avoid furnishing occasions or granting excuses for absence.

Students from a distance should be in Lewisburg on the day preceding the opening of each term, and no student should leave until the term has closed. Punctuality in attendance is essential to success in school work.

For terms and vacations, see the Calendar of the University.

STANDING AND PROMOTIONS.

The weekly average of marks for recitations are recorded, and also failures in conduct and attendance. The scale for such markings ranges from 10, or perfect, to 0, or inexcusable failure. Unexcused absences count as zero.

Monthly and term examinations are held in the studies thus far completed, and term reports of the average in scholarship, attendance, and conduct of each student are sent to parents or guardians by the Principal.

No student is promoted to the next higher class whose grade in any study is less than 7.

Students who complete the Preparatory Courses of Study are admitted to standing in corresponding divisions of the Freshman Class in the College, upon the principal's certificate, without examination.

All students who complete in a satisfactory manner any of the

Courses of Study, and who have sustained irreproachable character during their school residence, shall be entitled to the diploma of the Academy.

Students attaining an average standing of 9 are encouraged to ta work additional to the Regular Courses of Study.

PRIZES.

THE HARRY S. HOPPER PRIZE.

Mr. Harry S. Hopper, of Philadelphia, Chairman of the Board of Trustees, offers an annual prize for excellence in Composition.

This prize for 1902 was awarded to Amos Ethan Barton.

THE REV. DAVID PORTER LEAS PRIZE.

Rev. David P. Leas, of Philadelphia, Treasurer of Bucknell University, offers an annual prize to that member of the Third Form who shall excel in the Annual Exhibition of Third Form in Declamation.

This prize for 1902 was awarded to James Elliott, Jr.

THE WILLIAM E. MARTIN PRIZE.

Principal Edwards offers an annual prize, named in honor of Professor William E. Martin, to that member of the Fourth Form who shall pronounce the best oration at the Academic Graduating Exhibition.

This prize for 1902 was awarded to John Jenkins Owens.

LITERARY SOCIETY.

This is a voluntary organization of students for mutual improvement in literary and oratorical exercises. It has a large and convenient hall in the Main Academy Building, where meetings are held on Friday evenings.

RELIGIOUS SERVICES.

The duties of each day are opened with devotional exercises, which all students are required to attend. Devotional exercises are also held every evening, just before the evening study hour. All academic stu-

dents residing on the University campus are required to attend these exercises.

Regular attendance at Sunday-school and upon public worship at some church on Sunday morning, is required; also upon services on Thanksgiving Day, and the Day of Prayer for Colleges. Attendance upon Christian Endeavor or other like Young People's Society, and the mid-week prayer-meetings, while voluntary, is strongly urged upon students.

Parents or guardians are requested to indicate to the Principal the church which they desire their sons or wards to attend.

The Academic students maintain a branch of the Young Men's Christian Association, which holds a weekly prayer-meeting on Tuesday evenings.

Expenses.

EAST HALL.

	Per Annum.
Tuition, Board, Furnished Room, Heat, Lights, Care, Washing, and Incidentals	$240 00

MAIN HALL.

Tuition, Board, Unfurnished Room, Heat, Washing, and Incidentals, ...	200 00
Tuition, and Incidentals to day pupils, ...	60 00

All charges are payable to the Registrar of the University in advance, at the beginning of each term, that is, by the 25th of September, 10th of January and 10th of April.

No student is entitled to his place in his class until he has made settlement for the term bills.

An extra charge will be made for washing more than 12 pieces per week.

Students who remain in the Academy during the holiday or spring vacation will be charged at the rate of $4.50 per week. Table boarders will be charged the regular rate, $3.00 per week.

Free scholarships covering tuition are provided in all the departments of the University for the children of Ministers of the Gospel *in actual service.*

The expenses for Music and Printing for Exhibitons and Anniversary occasions are paid by the classes for which such expenses are incurred.

For information respecting the Academy, address the President of the University, or the Principal, Thomas A. Edwards, A. M.

THE INSTITUTE.

INSTRUCTORS AND OTHER OFFICERS

JOHN HOWARD HARRIS, PH. D., LL., D.,
PRESIDENT OF THE UNIVERSITY AND INSTRUCTOR IN PSYCHOLOGY.

EVELINE JUDITH STANTON, PH. M., PRINCIPAL.
AND INSTRUCTOR IN ENGLISH LITERATURE.

ELYSEE AVIRAGNET, A. M., MUS. DOC.,
VOCAL AND INSTRUMENTAL MUSIC AND THE ROMANCE LANGUAGES.

MAUD ELIZABETH HANNA, A. M.,
LATIN AND GERMAN.

JULIET AIKIN,
INSTRUMENTAL MUSIC.

CANDACE WOOD,
ART.

GERTRUDE LEVERICH KNOX,
VOCAL AND INSTRUMENTAL MUSIC.

GRACE SLIFER, A. M.,
LATIN AND HISTORY.

MARY ANN HURSH UNGER, A. B.,
ENGLISH.

ESTHER ATHERTON DAVENPORT,
INSTRUMENTAL MUSIC.

EDITH SCHILLINGER,
ELOCUTION AND GYMNASTICS.

FRANK M. SIMPSON, SC. M.,
SCIENCE.

MARTIN LINNAEUS DRUM, PH. B.,
MATHEMATICS.

WILLIAM CHRISTIAN GRETZINGER, PH. B.,
REGISTRAR.

Directory of the Alumnae.

OFFICERS OF THE ALUMNAE.

President, Mrs. Augusta T. Loomis.
Vice-President, Mrs. Emma Matlack.
Recording Secretary, Mrs. Sarah Shorkley.
Corresponding Secretary, Miss Eliza Brown Martin.
Treasurer, Miss Sarah Barber.
Board of Managers.
The Officers of the Association, and Mrs. Mary Stoner Gretzinger and Mrs. Mary Brown Martin.

OFFICERS OF THE LEWISBURG ALUMNAE CLUB.

President, Miss Grace Slifer.
Vice-President, Mrs. Jennie Davis Phillips.
Secretary, Miss Gertrude Stannert.
Treasurer, Mrs. Nannie Wilson Stephens.
Corresponding Secretary, Miss Anna Van Gundy.

OFFICERS OF THE PHILADELPHIA ALUMNAE CLUB.

President, Mrs. I. H. O'Harra.
Vice-President, Mrs. John Dean.
Recording Secretary, Mrs. John Lynch.
Corresponding Secretary, Mrs. Amos Wakelin.
308 W. School Lane, Gallitzen.
Treasurer, Mrs. John T. Reilly.
2015 Delancey Place, Philadelphia.

The Principal of the Institute will esteem it a favor if any graduate who changes her residence will give notice of her new address. She will also be grateful for any information that will assist in making the directory of the graduates and former students complete.

GRADUATING CLASS, 1902.

NAME.	RESIDENCE.
Cottie Gudilla Albright,	Lewisburg.
Marjorie Ellen Church,	Union City.
Margaret Forgeus,	Huntingdon.
Marian Elizabeth Ginter,	Lewisburg
Edith Hedges Kelly,	Lewisburg.
Rachel May Kunkel,	Bucknell.
Elizabeth Brinton Meek,	Allenwood.
Julia Ella Murphy,	Lewisburg.
Emma Alder Nesbit,	Lewisburg.
Sarah Ellis Nesbit,	Lewisburg.
Ruth Amelia Shorkley,	Lewisburg
Mary Bess Stephenson,	Mahaffey.

NAMES OF STUDENTS.

GRADUATE STUDENTS.

NAME.	RESIDENCE.	ROOM.
Rachel May Kunkel,	*Bucknell.*	Bucknell
Emma Alder Nesbit,	*Lewisburg.*	Market Street

THE SENIOR CLASS.

NAME.	RESIDENCE.	ROOM.
Edna Margaret Campbell,	*Petersburg.*	Institute
Theora May Campbell,	*Lewisburg.*	N. Third Street
Eva Irene Ginter,	*Lewisburg.*	Market Street
Helen Sidney Houghton,	*Lewisburg.*	South Seventh Street
Louisa Mattis,	*Lewisburg.*	South Third Street
Sarah Alder Mitman,	*Lewisburg.*	North Third Street
Mary Elizabeth Young,	*Lewisburg.*	South Seventh Street

THE FOURTH YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Irene Emma Barton,	*Torresdale.*	Institute
Josephine Brown,	*Allenwood.*	Allenwood
Lillian Katherine Gregory,	*Luthersburg.*	Institute
Edith Sarah McNinch,	*Lewisburg.*	South First Street
Bertha Catherine Patterson,	*Jersey Shore.*	Institute
Nina Adamsen Plian,	*Bangkok, Siam.*	Institute
Brenda Lyman Simons,	*Philadelphia.*	Institute
Carrie Ella Smith,	*Montandon.*	Montandon
Mary Georgiana Stanton,	*Chinchilla.*	Institute

THE THIRD YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Elizabeth Baker,	*Lewisburg.*	Market Street
Mary Gudekunst Brown,	*Allenwood.*	Allenwood
Vera Ellice Duncan,	*Cross Forks.*	Institute
Edith Halfpenny,	*Milton.*	Institute
Edith Elizabeth Harney,	*Mildred.*	Institute
Helen Amelia Hering,	*Dewart.*	Dewart
Mary Eudora Noll,	*West Milton.*	West Milton
Elsie Owens,	*Lewisburg.*	South Sixth Street
Laura Sharp,	*Philadelphia.*	Institute

NAME.	RESIDENCE.	ROOM.
Marie Louise Stein,	*Lewisburg.*	North Third Street
Mary Foulkrod Unruh,	*Fox Chase.*	Institute
Edith Kate Wagner,	*Marion Centre.*	Institute
Dorothy Walls,	*Lewisburg.*	South Third Street
Jeanette Keen Wolfe,	*Lewisburg.*	St. George Street

THE SECOND YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Katharine Beckley,	*Lewisburg.*	South First Street
Mary Matilda Brown,	*Lewisburg.*	Lewisburg
Bina Mae Carr,	*North East.*	Institute
Lucile Marie Cooke,	*Denver, Col.*	Institute
Frances Lloyd Groff,	*Lewisburg.*	Lewisburg
Edith Mae Kunkel,	*Bucknell.*	Bucknell
Helen Lucinda Leonard,	*Ansonville.*	Institute
Grace Julia Locke,	*Pittsburg.*	Institute
Emma Irene Noll,	*West Milton.*	West Milton
Louise Essick Savage,	*Sunbury.*	Sunbury
Helen Marie Smith,	*Cleveland.*	Institute

THE FIRST YEAR CLASS.

NAME.	RESIDENCE.	ROOM.
Emily Heaton,	*Milton.*	Milton
Mary Heaton,	*Milton.*	Milton
Mildred Jessie Shaffer,	*Lewisburg.*	South Second Street

PURSUING SELECT STUDIES.

NAME.	RESIDENCE.	ROOM.
Pearl Genevieve Bentel,	*Pittsburg.*	Institute
Marie Eva Bidlespacher,	*Trout Run.*	Institute
Susan Biehl,	*Lochiel.*	Lochiel
Ruth Angeline Bottorf,	*Lemont.*	Institute
Sarah Casler,	*Lewisburg.*	South Seventh Street
Anna Catterall,	*Berwick.*	Institute
Helen Irene Cooke,	*Denver, Col.*	Institute
Elizabeth Cornelius,	*Lewisburg.*	North Fourth Street
Minnie Louise Fessenden,	*Glen Iron.*	Institute
Emma Grier Gearhart,	*Danville.*	Institute
Maud Gregg,	*Sunbury.*	Sunbury
Susan Ida Johnson,	*Glen Iron.*	South Seventh Street
Mina Krauser Hackenburg,	*Milton.*	Institute
Anna Mildred Haverstick,	*Lykens.*	Institute
Harriet May Hollingshead,	*Milton.*	Milton

NAME.	RESIDENCE.	ROOM.
Margaret Mae Laird,	*Duncannon.*	Institute
Esther Lenore Lydic,	*Mahaffey.*	Institute
Ida Mae Maine,	*Montrose.*	Institute
Emma Roletta McClure,	*McKeesport.*	Institute
Anna Marguerite Miller,	*Alexandria.*	Institute
Mae Morgan,	*Perth Amboy, N. J.*	Institute
Amy Rebecca Nicely,	*Watsontown.*	Institute
Alta Loretta Nickle,	*Warren.*	Institute
Estie Miriam Ocker,	*Lewisburg.*	South Fourth Street
Elsie Butler Steele Payne,	*Philadelphia.*	Institute
Flossie Edith Pethtel,	*New Freeport.*	Institute
Mary Pierce Poeth,	*Lewisburg.*	St. Katherine Street
Charlotte Schwing,	*Warren.*	Institute
Bertha Sarah Seebold,	*Middleburg.*	Institute
Edna M. Smeed,	*Lewisburg.*	North First Street
Lena Myra Snyder,	*Lewisburg.*	North First Street
Katharine Rose Snyder,	*Lewisburg.*	Market Street
Artelissa Steele,	*Milton.*	Milton
Alma Eleanore Stryker,	*Petersburg.*	Institute
Margaret Stuart,	*State College.*	Institute
Elizabeth Laura Taylor,	*Williamsport.*	Institute

NAME.	RESIDENCE.	ROOM.
Emma Van Allman,	*Sunbury.*	Sunbury
Fannie Alice Wagner,	*Montandon.*	Montandon
Mellie Armstrong Westcott,	*Camden, N. J.*	Institute

SUMMARY.

Graduate Students	2
Senior Class	7
Fourth Year Class	9
Third Year Class	14
Second Year Class	11
First Year Class	3
Pursuing Select Studies	39
Total	85

Courses of Study.

The Bucknell Institute offers to young women three courses of study, each extending over five years. Students are admitted to advanced standing, if, upon examination, they are found to have satisfactory knowledge of the branches which the class they propose to enter has already completed.

Credentials from Graded Schools are accepted in the studies of the First and Second Years.

Credentials are accepted for the Third and Fourth Years from schools whose curricula are equivalent to that of Bucknell Institute; also from accredited private teachers, in studies which are *continued* after entrance.

I. THE LITERARY COURSE.

The Literary Course embraces, in Mathematics, Arithmetic, common and advanced, Algebra and Geometry, plane and solid, and Higher Algebra with Trigonometry and Analytical Geometry as electives; in Latin, two years *required,* and a third year elective with German or French; in German and French, one year each or two of either; and in Italian and Spanish, an optional course; in Science, Physical Geography, Botany, Astronomy, Physics, Physiology, Chemistry, and Geology. In these branches the students have the advantages afforded by the College Observatory, Laboratory, and Museum. The course also includes Rhetoric, Composition, Civil Government, Psychology, Ethics, and History of Art.

Special attention is given to History and Literature, to the former of which six and to the latter of which three terms are devoted.

II. THE CLASSICAL COURSE.

The Classical Course embraces in Mathematics, Arithmetic, Algebra, Geometry, plane and solid, University Algebra, Trigonometry, and Analytical Geometry; in Latin, Grammar and Composition, Cæsar,

Vergil, Cicero's Orations, Cicero de Senectute et de Amicitia, Livy, and Velleius, in all, four years; in GREEK, Grammar and Composition, Xenophon's Anabasis, Homer's Iliad, Lysias' Orations, Plato's Apology, Homer's Odyssey, and the Greek Testament, in all three years; in HISTORY, General History, and Greek and Roman History.

Students who complete the Classical Course are admitted to the Sophomore Class in College as candidates for the first degree in Arts.

III. THE LATIN SCIENTIFIC COURSE.

The Latin Scientific Course corresponds to the Classical course, except that scientific subjects are substituted for the first two years of Greek, and German for the third year of Greek.

Students who complete the Latin Scientific Course are admitted to the Sophomore Class in College as candidates for the first degree in Philosophy.

Students in the fifth year Classical or Latin Scientific course recite to the professors of the College.

SELECT STUDIES.

Students who do not wsh to pursue a course of study may elect such subjects in connection with the recitations of the regular classes as they may be qualified to pursue.

REQUIREMENTS FOR ADMISSION.

The required age for admission to the first-year class or to pursue select studies is twelve years, and a proportionate increase of age for admission to advanced classes.

CURRICULA.

I. THE LITERARY COURSE.

FIRST YEAR.

I. TERM—Arithmetic, Bible,
United States History, Composition,
English Grammar, Penmanship.

II. TERM—Arithmetic, Bible,
General History, Composition,
English Grammar, Penmanship,
Physical Culture.

III. TERM—Arithmetic, Bible,
General History, Composition,
English Language, Penmanship.

SECOND YEAR.

I. TERM—Latin—Lessons, Bible,
Rhetoric, Composition,
Higher Arithmetic, Reading.

II. TERM—Eutropius, Bible,
Latin Grammar, Composition,
History of Greece, Reading,
Book-keeping, Physical Culture.

III. TERM—Cæsar's Commentaries, Bible,
Physical Geography, Composition,
Botany, Reading.
History of Rome,

THIRD YEAR.

I. TERM—Cæsar's Commentaries, Bible,
Physics, English Classics,
English History, Composition,
Drawing.

II. Term—Vergil,
Algebra,
Astronomy,
Bible,
Composition,
English Classics,
Drawing,
Physical Culture.

III. Term—Vergil,
Algebra,
Civil Government,
Drawing.
Bible,
Composition,
English Classics,

FOURTH YEAR.

I. Term—Vergil, *or*
German,
Algebra, Quadratics,
Physiology,
Bible,
Composition,
Drawing,
Elocution.

II. Term—Cicero, *and*
Latin Prose Composition, *or*
German,
Geometry,
Chemistry,
Bible,
Composition,
Elocution,
Physical Culture.

III. Term—Cicero, *or*
German, *and*
Geometry,
Geology,
Bible,
Composition,
Elocution.

SENIOR YEAR.

I. Term—Psychology,
English Literature,
French, *or*
German, *or*
{ Solid Geometry,
{ Higher Algebra,
Bible,
Composition,
Elocution.

II. Term—English Literature,
History of Art, *or*
French, *or*
German, *or*
Trigonometry,
Bible,
Composition,
Elocution,
Physical Culture.

III. Term—Ethics,
American Literature,
French, *or*
German, *or*
Analytical Geometry,
Bible,
Composition,
Elocution.

II. THE CLASSICAL COURSE.

FIRST YEAR.

I. Term—Arithmetic, Bible,
United States History, Composition,
English Grammar, Penmanship.

II. Term—Arithmetic, Bible,
General History, Composition,
English Grammar, Penmanship,
Physical Culture.

III. Term—Arithmetic, Bible,
General History, Composition,
English Language, Penmanship.

SECOND YEAR.

I. Term—Latin—Lessons, Bible,
Rhetoric, Composition,
Higher Arithmetic, Elocution.

II. Term—Latin—Lessons, Bible,
Grammar, Composition,
History of Greece, Elocution,
Book-keeping, Physical Culture.

III. Term—Latin, Bible,
Physical Geography, Composition,
Elementary Botany, Reading,
History of Rome, Physical Culture.

THIRD YEAR.

I. Term—Natural Philosophy, Reading of Classics,
Cæsar's Commentaries, Composition,
Greek—Lessons, Drawing,
Bible, Physical Culture.

II. Term—Algebra, Bible,
Vergil's Æneid, Composition,
Greek Lessons, Reading of Classics,
Grammar, Drawing,
Physical Culture.

III. Term—Algebra, Bible,
Vergil's Æneid, Composition,
Xenophon's Anabasis, Reading of Classics,
Drawing.

FOURTH YEAR.

I. Term—Algebra, Quadratics, Bible,
Latin—Vergil's Æneid, Composition,
Prosody, Drawing,
Xenophon's Anabasis, Elocution.
Greek Prose Composition,

II. Term—Plane Geometry, Bible,
Latin—Cicero's Orations, Composition,
Prose Composition, Elocution,
Homer's Iliad, Physical Culture.

III. Term—Plane Geometry, Bible,
Cicero's Orations, Composition,
Greek—Homer's Iliad, Elocution.
Prose Composition,
Xenophon's Anabasis,

SENIOR YEAR.

I. Term—{ Geometry, English Bible.
Algebra, Elocution,
Cicero de Senectute, English Composition.
Odyssey,
Greek Prose Composition,

II. Term { Trigonometry, Rhetoric,
Algebra, Elocution,
Livy, English Composition.
Lysias, Physical Culture.
Greek Testament,

III. Term— Analytical Geometry, Chemistry,
Velleius and Pliny, Elocution,
{ Plato, English Composition.
Greek Testament,

III. THE LATIN SCIENTIFIC COURSE.

FIRST YEAR.

I. Term—Arithmetic, Bible,
United States History, Composition,
English Grammar, Penmanship.

II. Term—Arithmetic, Bible,
General History, Composition,
English Grammar, Penmanship,
Physical Culture.

III. Term—Arithmetic, Bible,
General History, Composition,
English Language, Penmanship.

SECOND YEAR.

I. Term—Latin—Lessons, Bible,
Rhetoric, Composition,
Higher Arithmetic, Reading.

II. Term—Eutropius, Bible,
Latin Grammar, Composition,
History of Greece, Physical Culture,
Book-keeping, Reading.

III. Term—Cæsar's Commentaries, Bible,
Physical Geography, Composition,
Elementary Botany, Reading.
History of Rome,

THIRD YEAR.

I. Term—Cæsar's Commentaries, Bible,
Physics, Composition,
English History, English Classics,
Drawing.

II. Term—Algebra, Composition,
Vergil's Æneid, English Classics,
Astronomy, Drawing,
Bible, Physical Culture.

III. Term—Algebra, Bible,
Vergil's Æneid, Composition,
Civil Government, English Classics,
Drawing.

FOURTH YEAR.

I. Term—Algebra, Quadratics, Bible,
Latin—Vergil's Æneid, Composition,
Prosody, Drawing,
Physiology, Elocution.

II. Term—	Plane Geometry,	Bible,
	Latin—Cicero's Orations,	Composition,
	Prose Composition,	Elocution,
	English Literature,	Physical Culture.
III. Term—	Plane Geometry,	Bible,
	Cicero's Orations,	Composition,
	Geology,	Elocution.

SENIOR YEAR.

I. Term—	Geometry,	English Bible.
	Algebra,	Elocution,
	Cicero de Senectute,	English Composition
	German,	
II. Term—	Trigonometry,	Rhetoric,
	Algebra,	Elocution,
	German,	English Composition.
	Livy,	
III. Term—	Analytical Geometry,	Chemistry,
	Velleius and Pliny,	Elocution,
	French,	English Composition.

Methods of Instruction.

I. PSYCHOLOGY AND ETHICS.

Psychology is taught by text-book and informal lectures. The relation of Psychology to education is made a special feature of the course.

The aim in the Course in Ethics is to make the instruction as practical as possible. Theses on problems in Ethics are required of each student taking the subject in addition to recitations from text-books.

II. LITERATURE AND ART.

Literature is taught by topical outlines, the elaboration of which depends upon a sympathetic study of the masterpieces in connection with the lives and times of the writers. The subject is so presented that a vital experience results rather than an empty form of knowledge. The object of the course is to cultivate and ennoble the emotions, to stimulate the imagination, and to reinforce the will with strong and exalted motives.

The History of Art is offered in the Senior Year, Literary Course. The aim of the course is to give a general knowledge of the development of art and to lead to an acquaintance with individual artists and their work. Some attention is given to the theories concerning the origin of the art-impulse itself, and the law of the mental evolution which has governed the history of art.

III. HISTORY.

History. —Six terms are devoted to this study. The course embraces General History, the History of the United States, of England, of Greece, and of Rome. Efforts are made to convince the learner that History is not mere facts in chronological order, but a record of the development of civilization.

Civil Government —The origin and growth of our institutions, the functions of the various departments of the National, State and local governments; the political history of the people; the interpretation and construction of the Constitution, are discussed.

IV. THE ENGLISH LANGUAGE.

English Grammar.—The aim is to train the pupils to speak and write the English language with accuracy and force.

Rhetoric is taught as a practical aid to English Composition. Daily exercises in composition are required.

English Composition is required throughout the course. Classes in Composition meet weekly for general criticism and the assignment of work. One essay is required from each student monthly, and an exercise in rapid and concise writing is required weekly.

V. THE LATIN LANGUAGE.

Paradigms of Declension and Conjugation with the Principles of Syntax, are introduced gradually, after many illustrations. English sentences are translated into Latin, readiness in Latin Composition and a correct style being thus acquired.

The following courses are offered: 1. Latin Grammar and Lessons, one term; 2. Eutropius, one term; 3. Cæsar, Gallic war, two terms; 4. Vergil, Æneid, three terms; 5. Cicero, Orations, two terms; 6. Cicero, *De Senectute* and Livy, one term; 7. Livy, Books XXI and XXII, one term; 8. Velleius and Pliny, one term.

VI. THE GREEK LANGUAGE.

The first half of the Third Year is spent in acquiring sufficient knowledge of forms and inflections to commence the study of Xenophon's Anabasis. During the last half year, special attention is given to the inflection and syntax of nouns, pronouns, and adjectives. The reading of Xenophon is continued in the first term of the Fourth Year, and the forms and syntax of verbs made a special study. Homer is then read for one term and a half, and the difference between Homeric and Attic forms is noted. During the last half term Xenophon is reviewed, that the student may refresh her knowledge of Attic Greek, and may not find her transition to College needlessly difficult. Almost daily drill is given in turning into Greek sentences based on the text of Xenophon.

The following courses in Greek are offered to students in the Classical Course: 1. Greek Lessons, two terms; 2. Xenophon's Anabasis, two terms; 3. Homer's Iliad, two terms; 4. Lysias, Orations, one term; 5. Homer's Odyssey, one term; 6. Plato's Apology, one term; 7. Greek New Testament.

VII. MODERN LANGUAGES.

1. **French, Italian and Spanish.**—The modern languages are taught by comparing them with the mother tongue of the pupil, if there be any relation between them. If there is none, they are compared with the Latin and Greek languages. In French, rules are taught by which the words that are not exactly the same in the two languages are easily made into French.

French Syntax is taught by examples and illustrations from readings. The grammar is taught from the language, and not the language from the grammar. Dictation exercises are given from Whitney's Practical French.

As far as practical only French is spoken in the class room. Extracts are read from the best French literature. Conversations are held in French on the readings, stories are related, and compositions prepared in French by the pupil.

The aim is to teach the modern languages so that they can be spoken correctly.

The same method is used in teaching Spanish and Italian.

2. **German.**—In the study of German the aim is to get a knowledge of the language in an all-round way. This is accomplished not alone through the study of grammar and the translation of German into English, but by daily practice in conversation, the committing to memory of poems and idioms, and through an acquaintance with biography and the different phases of German life. As little English as practicable is used in the class-room. Throughout the course there is constant sight reading, translation at hearing, and translation from English into German.

The reading of the second year includes the best German authors studied in connection with Keller's History of German Literature.

VIII. MATHEMATICS.

Arithmetic.—Two objects are considered in teaching the subject; first, to give the student a practical knowledge of all ordinary business problems and calculations; second, to develop her ability to think logically and rapidly. The memorizing of rules and mechanical processes is not required, but independent thought, logical analysis and neatness, clearness and accuracy in all written work are demanded. A drill in Mental Arithmetic is combined with the required work of the text-book.

Elements of Algebra.—Three terms are given to this subject. There is thorough drill in the fundamental operations, and the idea that these are simply the applications of arithmetical processes to symbols of general value is kept constantly in mind. The course includes Quadratic Equations, Theory of Exponents, Variation, and Series.

Geometry.—The course includes Plane and Solid Geometry. Besides the demonstrations of Theorems given in the text-book, original demonstrations and the solution of problems are required.

Higher Algebra.—The topics discussed are: Progressions, Theory of Limits, Differentiation, Development of Functions into Series, Convergency and Summation of Series, Logarithms, Compound Interest and Annuities, Permutations and Combinations, Probability, Continued Fractions, and the Theory of Equations.

Trigonometry.—The course includes Plane and Spherical Trigonometry. Time is given to the numerical illustration of principles for the purpose of making sure that the meaning and use of formulae, demonstrated and learned, are thoroughly understood.

Analytical Geometry.—The student is taught the elementary properties of the right line and the conic sections. The course is intended to give a clear conception of the methods of Cartesian Analysis, rather than an extensive knowledge of its results.

IX. SCIENCE.

Physics.—The student is thoroughly grounded in the elements of mechanics and physics. The historical beginnings of each subject, and subsequent developments, are sketched in brief lectures. No pains are spared to familiarize the pupil with the laws of these sciences by instruction, experiment, review, and repeated examination. The truth of principles is proved, except where the demonstration involves the higher mathematics. The apparatus of the College is available for class use.

Astronomy.—Descriptive Astronomy discusses the earth's relation to the solar system; the masses, motions, and orbits of each member; the causes and consequences of the motions of the earth; general boundaries of the constellation of the Zodiac and Northern Heavens; the accepted theories of comets, meteors, and nebulæ. Charts, star maps, globes, and other apparatus are used, and the student is afforded privileges of observation in the College Observatory.

Physical Geography—lays a broad foundation for subsequent work in all sciences. Special attention is given to the physical features of the United States. Drawings, photographs, colored and relief maps, and specimens from the Museum, and field work, aid to make the subject clear.

Geology.—The student is required to master the elements of lithographical, structural, dynamic and historical Geology. Specimens of various rocks and minerals are handled in class; their composition, characteristics, and place in nature are explained; the structure of the earth in its present form is studied; the history of its evolution, the age and characteristics of its strata, the chief geological features of each continent, and the forces at work are considered.

Botany—is taught by text book and field work. A brief outline is first obtained of plant structure, physiology, growth, and reproduction. Lectures explaining special forms of vegetable growth, and the flora of this country, complete the work.

Physiology.—Every effort is made to impart clear ideas of the structure, parts and functions of the human body. Special attention is given to the chemistry of foods, the laws of health, and the effects of stimulants and narcotics. Suggestions are also made as to poisons and their antidotes, the care of the sick, disinfection and sanitation, and accidents and emergencies. The subject is illustrated by the use of a manikin, charts, and preparations.

Descriptive Chemistry—is taught by text books, lectures, and experiments. The object of the course is to give the student a general knowledge of the common elements, their sources, uses, compounds, and behavior towards other elements and compounds, and to drill the student in writing formulæ and solving chemical equations. To accomplish this each student will be expected to spend at least five hours each week in the Laboratory, studying the characteristics and reactions of the elements and their compounds, and performing the experiments outlined in the text and lectures. Notes will be kept by each student, describing the experiment and giving the equation which represents the reaction taking place.

PHYSICAL CULTURE.

The health of the students is made a prime object of attention, and sanitary requirements are carefully observed. The Institute Gymnasium is furnished with Indian clubs, dumb bells, wands, rings, hoops, guns, wall pulleys, parallel bars, etc., and classes in Physical Culture are or-

ganized for the benefit of all students. The exercises practiced are such as tend to develop grace and strength. The Institute Campus of six acres furnishes facilities for exercises. Lawn Tennis and other outdoor games are encouraged, and exercise in the open air is required.

ÆSTHETIC CULTURE.

It is intended that the pupils of the Institute shall have the influence unconsciously received from painting, music, and refined surroundings, as well as direct instruction in Literature, Music and Art. Special instruction in Music and Art is given in the schools devoted to those subjects.

SOCIAL CULTURE.

Pupils are trained to observe the usages of good society. Meetings of various organizations for improvement in Literature, Music and Art, and receptions in charge of the pupils add variety to student life. No effort is spared to give the pupils the advantages of a cultured home. The purpose is to develop the social life of the Institution within itself. Students are not permitted, during term-time, to visit in neighboring towns. The number of social functions during a term is limited, and the consent of the Principal must be obtained for each function at least one month before it is to occur.

RELIGIOUS TRAINING.

The Institute is distinctly Christian in its influence. Morning and evening Chapel in the Hall of the Institute building is attended by all students in the Institute courses, special students, and women pursuing studies in the School of Music. College women living in the Institute attend evening Chapel.

Attendance upon Sabbath-school and church services in town is required. All students have weekly recitations in Inductive Bible Study. The students have organized several classes for Scripture study.

The Young Women's Christian Association, a voluntary society open to the officers and students of the Institute, meets weekly. The regular Tuesday evening prayer-meeting, missionary and temper-

ance work, special Bible Classes and College Settlement work are in charge of this Association.

SPECIAL BRANCHES.

1. Italian and Spanish may be taken up as optional studies, under the instruction of M. Elysée Aviragnet.

All optional studies must be pursued in connection with the regular classes.

2. Bible instruction is given once a week throughout the entire course.

3. Essays are required of all students each month, and themes each week.

4. Two declamations are required of each student during each term.

5. Exercises in either Elocution or Reading are required once a week of all classes.

PUBLIC EXERCISES.

THE EXERCISES OF THE GRADUATING CLASS.

The Commencement Exercises of the Institute are held in the College Commencement Hall on Tuesday afternoon of Commencement week.

THE EXERCISES OF THE FOURTH-YEAR CLASS.

The Exercises of the Fourth-Year Class, a combined musical and literary entertainment, are held in the Chapel of the Institute on the last Saturday evening in the month of April.

THE CONTEST IN ELOCUTION.

A contest in Elocution for the prize in that subject, open to all the members of the Institute, takes place in Bucknell Hall on the second Saturday evening in the month of May.

ALUMNÆ SOCIETIES.

The Alumnae Association holds its anniversary on Monday afternoon of Commencement week.

The Lewisburg Alumnae Club meets at the Institute on the second Tuesday of each month during term-time.

The Philadelphia Alumnae Club is composed of graduates living in and near that city.

STUDENTS' LOAN SOCIETY OF BUCKNELL INSTITUTE.

In June, 1887, there was organized in connection with Bucknell Institute an association for the purpose of assisting young women of limited means to obtain an education. A fund was established by gifts from the Alumnæ and friends of the Institute. The money is loaned to beneficiaries, who obligate themselves to return it, *without interest,* as soon after their graduation as they may be able.

Before the organization of this Society, many promising students at Bucknell Institute were unable to finish the course of study because there was no provision for financial assistance.

Since 1887, but for the help of this Association, some of the best of our graduates would have been deprived of the training which has fitted them for the positions they now fill as teachers, authors, missionaries, and pastors' helpers.

During the first decade, twenty-four young ladies received aid. More than one-half of these have returned the loan in full.

The Society meets in the parlors of the Institute on the first Wednesday afternoon after the opening of each term, at half-past-two o'clock.

The annual meeting for the election of officers is held at the Institute on the first Wednesday after the opening of the winter term.

The payment of one hundred dollars constitutes the donor a Life Member of the Association; five dollars annually, an Active Member.

Contributions should be sent to the Treasurer, Mrs. T. H. Purdy, Sunbury, Pa. Any information will be given by the President, Mrs. Katharine B. Larison, Cochecton Centre, N. Y., or Mrs. John T. Judd, Corresponding Secretary, Lewisburg, Pa.

DEPARTMENT OF ELOCUTION.

Miss Edith Schillinger.

This department is open to all members of the Institute. Its aim is the correct and effective utterance of thought. Special attention is given to Voice Culture, Articulation, including Pronunciation and Expression. Weekly Rhetoricals afford opportunity for platform work. Bible Reading and the study of Shakspere have places in the course. Special courses are offered to students who wish to take private lessons in elocution. Particular attention is given to curing persons of stammering and other defects in speech.

SPECIAL STUDENTS IN ELOCUTION.

NAME.	RESIDENCE.	ROOM.
Elizabeth Baker,	*Lewisburg.*	Market street
Irene Emma Barton,	*Torresdale.*	Institute
Rodman Barton,	*Torresdale.*	Academy
Marie Eva Bidelspacher,	*Trout Run.*	Institute
Anna Catterall,	*Berwick.*	Institute
Lucile Marie Cooke,	*Denver, Col.*	Institute
Coleman John Harris,	*Lewisburg.*	University Avenue
Edith Mae Kunkel,	*Bucknell.*	Bucknell
Anna Margaret Miller,	*Alexandria.*	Institute
Emma Alder Nesbit,	*Lewisburg.*	Market street
Mildred Jessie Shaffer,	*Lewisburg.*	South Second street
Dorothy Walls,	*Lewisburg.*	South Third street
Jeanette Keen Wolfe,	*Lewisburg.*	St. George street

The Art Department.

Miss Candace Wood.

The facilities for the study of Art have been greatly increased by the accommodations allotted to this department, in a special studio, which provides such adjustments for admission of light and unencumbered wall surface as to render it adapted for the execution and display of art production.

For such students as desire opportunity for work preparatory to professional study, and to those who wish to fit themselves to give systematic instruction in drawing, the following course is provided:

First Year.—Drawing in Pencil, Charcoal and Crayon from solid geometrical forms, and portions of the human figure, with the necessary elements of perspective, the Laws of Proportion, and the Relations of Light and Shade.

Second Year.—Drawings from the Antique in Coal, Crayon, Sepia, or Oil Monochrome; Modeling in Clay or Wax. Study in Color from Draperies and Still Life.

Third Year.—Composition, Color in Landscape, Pen and Ink Drawing, and Painting in Color from Nature and from Life.

On successful completion of this entire course a certificate of proficiency will be awarded.

Students who do not desire the certificate course, and whose interest is in Decorative Work, will receive the requisite instruction in the latest methods—China Painting, Tapestry, Dyeing, and applied Design in other mediums and materials.

Charges for instruction in Art are as follows:

	Per Annum.
Drawing	$24 00
Crayoning	33 00
Painting in Oil, Water Colors, Pastel, or on China,	60 00
	Per Lesson.
Special individual instruction in Painting	$1 00

Free-hand Drawing is a part of the required work of the school without extra charge.

ART EXHIBIT.

On Saturday, Monday and Tuesday, of Commencement week, a display of art products by the pupils of the School of Art is made in the Studio. At this time a committee of art students receives and entertains all those who visit the Studio.

STUDENTS OF ART.

NAME.	RESIDENCE.	ROOM.
EDITH BAILEY,	*Wellsboro.*	Institute
SARAH ELIZABETH BUOY,	*Milton.*	Milton
MARIS BURCHER,	*Milton.*	Milton
RALPH BURD,	*Sunbury.*	College
EDNA MARGARET CAMPBELL,	*Petersburg.*	Institute
ANNA CATTERALL,	*Berwick.*	Institute
HELEN IRENE COOKE,	*Denver, Col.*	Institute
LUCILE MARIE COOKE,	*Denver, Col.*	Institute
FRANCES LLOYD GROFF,	*Lewisburg.*	Lewisburg
MARGARET GROFF,	*Lewisburg.*	Lewisburg
RUSSELL HAMBLIN,	*Lewisburg.*	South Third street
EDNA ANN INNESS,	*Canton.*	Institute
SARAH ETHEL JUDD,	*Lewisburg.*	University Avenue
MARY LENKER,	*Sunbury.*	Sunbury
HELEN LUCINDA LEONARD,	*Ansonville.*	Institute

NAME.	RESIDENCE.	ROOM.
Ida Mae Maine,	*Montrose.*	Institute
Daisy Van Syckle Parsons,	*Canton.*	Institute
Elsie Butler Steele Payne,	*Philadelphia.*	Institute
Olive Schillinger,	*Martin's Ferry.*	Institute
Brenda Lyman Simons,	*Philadelphia.*	Institute
Helen Marie Smith,	*Cleveland.*	Institute
Nellie Thomas,	*Philipsburg.*	Institute

General Information.

ADVANTAGES.

The Bucknell Institute offers to young ladies superior educational advantages. Its location in a University town assures an atmosphere of study and the benefit of numerous literary exercises, lectures and addresses. The students in the Institute have the use of the Library and apparatus of the Institute, and also of the College Astronomical Observatory, Chemical Laboratory, Museum, and Library, and the various apparatus of the University. An isolated school could not provide for itself these advantages at a cost of less than a quarter of a million dollars.

ADMINISTRATIVE AND OTHER REGULATIONS.

1. The general control of the Institute is vested in the President of the University.

2. The government of the Institute, subject to such control, rests with the Principal of the Institute.

3. Young women attending the College or School of Music are subject to the rules and regulations governing young women attending the Institute.

RULES.

The laws governing the Institute are enacted by the Board of Trustees.

Any officer of the Institute becoming cognizant of violation of regulations by any pupil shall report the same to the Principal of the Institute, who shall make a record of the fact in a book provided for the purpose. Any second violation by the same pupil shall be reported to the President of the University; and if, in the judgment of the President of the University, and the Principal of the Institute, the offense be of sufficient gravity, the parent or guardian of the offending pupil shall be notified.

Violations of the regulations of the Institute or infraction of the laws of morality are punished by private reprimand, deprivation of privileges, or private withdrawal from the Institute.

The following are selections from the regulations:

1. No student is allowed to leave the Institute grounds at any time without permission from the Principal.

2. Unless for reasons very satisfactory, students from a distance are not permitted to visit their homes, or to leave the Institute to visit with relatives or friends in town. A student will not be permitted to spend the night with friends in town.

3. None but near relatives and friends from a distance are allowed to visit with boarding students, and such visits must be so arranged as not to interfere with the regular hours of study and recitation.

4. Students are not at liberty to invite guests to their private apartments, or to any part of the building, without permission from the Principal.

5. Teachers and students take their meals at the same table, and no special article of food is served to any one, except in case of sickness.

6. Parents and guardians are particularly requested to refrain from furnishing their daughters and wards with *eatables of any kind,* except fruit.

7. Patrons visiting young ladies at the Institute may be accommodated with board at one dollar a day, if there are vacant rooms. In no case will students be required to give up their rooms to visitors. Visitors will conform to the general regulations of the Institute.

8. Regular and systematic exercise, both in the open air and in the Ladies' Gymnasium, is required of each student.

9. In the Regular course the number of daily recitations is fixed. Special students are required to engage in such a number of studies as may, in the judgment of the Principal, be sufficient to occupy their time.

10. The character of each recitation is recorded at the time, and the result, together with a statement of the general industry and deportment of the student, is sent to the parent or guardian at the close of the term.

11. The passing grade in any study is a definite one, and must be attained before promotion can be secured.

12. No room can be reserved for a student unless definitely engaged.

13. The books and current periodicals of the College and Institute Libraries are available to all students.

14. Article Required.—Each student shall be provided with an umbrella, waterproof, overshoes, table napkins, towels, covers for bureau and washstand, counterpanes, sheets and pillow-cases. The size of pillow is twenty by thirty inches; of the bureau, forty-three by nineteen inches; of the washstand, thirty-two by sixteen inches.

Every article of clothing should be marked with the owner's name in full.

It is especially desired that the dress of pupils shall be simple and inexpensive. Whenever practicable, the wardrobes should be prepared at home, to avoid frequent visits to town.

A deposit of one dollar is made for washbowl and pitcher, which is refunded when articles are returned.

Prizes.

I. BUCKNELL PRIZES.

The following prizes were founded by William Bucknell, of Philadelphia.

1. A First Senior Prize, to be awarded to the member of the graduating class who, being excellent in scholarship during the Senior Year, shall prepare the best essay.

2. A Second Senior Prize, to be awarded to the member of the graduating class, who, being excellent in scholarship during the Senior Year, shall prepare the second best essay.

For the year 1902 the First Prize of twenty-four dollars was awarded to Margaret Forgeus, and the Second Prize of sixteen dollars to Marjorie Ellen Church.

3. A Third Senior Prize to be awarded to the member of the graduating class who shall attain the highest grade in the studies of the Senior Year. This excludes all grades for studies not in the Senior Year, all Senior studies taken before the Senior Year, and all studies not taken in the Institute.

For the year 1902, this prize of twenty-five dollars was awarded to Margaret Forgeus and Ruth Shorkley.

4. A First Fourth Year Prize, to be awarded to the member of the Fourth Year Class, who, being excellent in scholarship during the year, shall prepare the best Fourth Year essay.

5. A Second Fourth Year Prize, to be awarded to the member of the Fourth Year Class, who, being excellent in scholarship during the year, shall prepare the Second best Fourth Year essay.

For the year 1902, these prizes were awarded as follows: Louise Mattis received the First Prize of twenty dollars, Mary Seaman the second Prize of fifteen dollars.

The fund consists of $2000, the income from which is to be devoted to these prizes annually in a manner more particularly defined in the donor's communication to the Trustees.

Themes for the Bucknell Essay Prizes will be drawn from the following works:

For 1903—Shakspere's Macbeth; George Eliot's Silas Marner; Lowell's Vision of Sir Launfal; Browning's Guardian Angel.

For 1904—Shakspere's King Lear; Carlyle's Essay on Burns; Tennyson's Princess; Hawthorne's Twice Told Tales.

II. THE ELOCUTION PRIZE.

A prize in Elocution is offered to the student who shall give the best recitation at the Annual Contest.

For 1902 the prize was awarded to Edna Loeb.

Expenses.

I. Boarding Students. —The regular charge for Boarding Students is $240.00 per annum; the other expenses, spending money, books, and clothing, will vary with the individual student.

An additional charge will be made where one student occupies a double room alone in the Main Building. Extra charge will also be made for front corner rooms in the West Wing.

Students are charged extra for the washing of dresses, and for the washing of more than 12 pieces per week.

The rooms in the Bucknell Cottage are rented in suites, for which there is an extra charge, depending on the location.

	Per Annum.
Suite on the first floor	$39 00
Suite on the second floor	40 00
Suite on the third floor	28 00

Each suite contains a study and two sleeping apartments, and has accommodations for four persons, and the charge will be divided accordingly.

Students will be charged for damage done to furniture or to the room they occupy.

II. Day Students.—The charges for Day Students amount to $60.00 per annum.

III. Extra Studies.-The charges for Elocution, Drawing and Painting, and Music, will be found under those titles.

Bills are payable *strictly in advance,* on the 15th of September, January and April.

Checks and drafts should be drawn in favor of the Registrar of the University.

No bill will be made out for a shorter period than one term; and no deductions will be made, except in the charge of board, in case of a prolonged absence on account of sickness.

The expenses for Music, Printing, and other charges ordinarily incurred at Examination and on anniversary occasions, are paid by the class or classes which incur the expenses.

The fee for Graduation and Diploma is $5.

Free scholarships, covering tuition, are awarded to children of Ministers of the Gospel *in actual service.*

For information respecting the Institute, address the Principal, Miss Eveline Judith Stanton, Ph. M., or the President of the University.

THE BUCKNELL SCHOOL OF MUSIC

ELYSEE AVIRAGNET, A. M., MUS. DOC.,
DIRECTOR.

JULIET AIKIN,
PIANO, ORGAN, HARMONY.

GERTRUDE LEVERICH KNOX,
VOCAL, HARMONY.

ESTHER ATHERTON DAVENPORT,
INSTRUMENTAL MUSIC.

MARTHA DOROTHY TOMPKINS,
ASSISTANT IN INSTRUMENTAL MUSIC.

GRADUATES, 1902.

NAME.	COURSE.	RESIDENCE.
Edna Lorine Bacon,	*Vocal.*	Dividing Creek, N. J.
Florence Rachel Brewer,	*Piano and Science of Music.*	Lewisburg
Mazie Felsberg,	*Piano and Harmony.*	Montgomery
Bettie Catherine Florin,	*Piano and Harmony.*	Johnsonburg
Edith Gerhart,	*Piano and Harmony.*	Lewisburg
Mary Florence Higgins,	*Piano and Harmony.*	Lewisburg
Mary Belle Hoover,	*Piano and Harmony.*	Mt. Carmel
Marie Louise Leiser,	*Piano and Harmony.*	Lewisburg
Helen Josephine Leonard,	*Violin.*	Montgomery
Julia Ella Murphy,	*Piano and Harmony.*	Lewisburg
Anna Pines,	*Vocal and Harmony.*	Lewisburg
Jeannette Pross,	*Piano and Harmony.*	Lewisburg
Kathryn Loy Secrist,	*Piano and Harmony.*	Johnsonburg

Names of Students.

PIANO.

NAME.	RESIDENCE.
Ollie Rothrock Baker,	Watsontown
Irene Emma Barton,	Torresdale
Pearl Genevieve Bentel,	Pittsburg
Lulu Margaret Biddle,	Lewisburg
Marie Eva Bidelspacher,	Trout Run
Susie Rebecca Biehl,	Lochiel
Ruth Angelene Bottorf,	Lemont
Mary Isabel Bower,	Lewisburg
Sara Gingrich Cassler,	Lewisburg
Anna Frantz Catterall,	Berwick
Elizabeth H. Cornelius,	Lewisburg
Jennie Isabel Coverdale,	Lewisburg
Eve Alverna Dershem,	New Columbia
Vera Ellice Duncan,	Cross Fork
Minnie Louise Fessenden,	Glen Iron
Louisa May Gardner,	Sunbury
Emma Grier Gearhart,	Danville
Chester Harold Godshall,	Philadelphia
Maude May Gregg,	Sunbury
Frances Lloyd Groff,	Lewisburg
Nina Krauser Hackenberg,	Milton
Dora Regina Hamber,	Lewisburg
Anna Mildred Haverstick,	Lykens
Emily Heaton,	Milton
Mary Heaton,	Milton
Mary Florence Higgins,	Lewisburg
Florence Ida Hilliard,	Montgomery
Harriet May Hollingshead,	Milton
Grace June Houpt,	Sunbury
Edna Ann Innes,	Canton
Rachel May Kunkle,	Bucknell
Margaret Mae Laird,	Duncannon

NAME.	RESIDENCE.
Marie Louise Leiser,	Lewisburg
Helen Lucinda Leonard,	Ansonville
Grace Julia Locke,	Pittsburg
Esther Leonore Lydic,	Mahaffy
May Belle Marsh,	Watsontown
Emma Roletta McClure,	McKeesport
Ida Mae Maine,	Montrose
Elizabeth Briton Meek,	Allenwood
Anna Marguerite Miller,	Alexandria
Mae Morgan,	Perth Amboy, N. J.
Julia Ella Murphy,	Lewisburg
Amy Rebecca Nicely,	Watsontown
Estie Marion Ocker,	Lewisburg
Elsie Butler Steele Payne,	Philadelphia
Flossie Edith Pethtel,	New Freeport
Mary Pierce Poeth,	Lewisburg
Leonora Mae Schamp,	Lewisburg
Charlotte Edith Schwing,	Warren
Helen Sechler,	Lewisburg
Bertha Sarah Seebold,	Middleburg
Edna M. Smeed,	Lewisburg
Lena Myra Snyder,	Lewisburg
Mary Georgiana Stanton,	Chinchilla
Artelissa Steele,	Milton
Marion Steele,	Milton
Anthony Steinhilper,	Burlingame
Eva Blanche Stoner,	Alverton
Alma Eleanor Stryker,	Petersburg
Margueret Johnston Stuart,	State College
Elizabeth Laura Taylor,	Williamsport
Emily Harnor Voris,	Pottsgrove
Fannie Alice Wagner,	Montandon
Clara A. Wheeler,	Sunbury
Frank L. Yost,	Lock Have

VOICE.

NAME.	RESIDENCE.
Marie Eva Bidelspacher,	Trout Run
Ruth Angeline Bottorf,	Lemont
Calvin C. Fleming,	Wellsboro

NAME.	RESIDENCE.
Emma Grier Gearhart,	Danville
Maude May Gregg,	Sunbury
Nina Kraus Hackenberg,	Milton
Phares Gross Hess,	Manheim
John Erb Hunsberger,	Ephrata
Sarah Ethel Judd,	Lewisburg
Margaret Mae Laird,	Duncannon
Ida Mae Maine,	Montrose
Anna Marguerite Miller,	Alexandria
Sarah Alder Mitman,	Lewisburg
Elsie Butler Steele Payne,	Philadelphia
Arthur Judson Pearse,	Ashtabula, O.
Flossie Edith Pethtel,	New Freeport
Mary Pierce Poeth,	Lewisburg
Charlotte Edith Schwing,	Warren
Bertha Sarah Seebold,	Middleburg
Pearl Lois Smith,	Lewisburg
Artelissa Steele,	Milton
Eva Blanche Stoner,	Alverton
Alma Eleanor Stryker,	Petersburg
Margueret Johnston Stuart,	State College
Charlotte Walters,	Lewisburg
A. Pierce Waltz,	Elimsport
Clara A. Wheeler,	Sunbury
Howard King Williams,	Philadelphia

PIPE ORGAN.

NAME.	RESIDENCE.
Emma Grier Gearhart,	Danville
Julia Ella Murphy,	Lewisburg
Margueret Johnston Stuart,	State College
Emma Burnett Van Allman,	Sunbury

HARMONY.

NAME.	RESIDENCE.
Ollie Rothrock Baker,	Watsontown
Susie Rebecca Biehl,	Lochiel
Ruth Angeline Bottorf,	Lemont
Pearl Genevieve Bentel,	Pittsburg

NAME.	RESIDENCE.
Sara Gingrich Cassler,	Lewisburg
Elizabeth H. Cornelius,	Lewisburg
Minnie Louisa Fessenden,	Glen Iron
Emma Grier Gearhart,	Danville
Nina Krauser Hackenberg,	Milton
Anna Mildred Haverstick,	Lykens
Harriet May Hollingshead,	Milton
Rachel Mary Kunkle,	Bucknell
Esther Lenore Lydic,	Mahaffy
Anna Marguerite Miller,	Alexandria
Mae Morgan,	Perth Amboy, N. J.
Estie Marion Ocker,	Lewisburg
Flossie Edith Pethtel,	New Freeport
Mary Pierce Poeth,	Lewisburg
Milton Hayden Parry Prout,	Wiconisco
Hattie Elizabeth Russell,	Watsontown
Edna M. Smeed,	Lewisburg
Lena Myra Snyder,	Lewisburg
Alma Eleanor Stryker,	Petersburg
Margueret Johnston Stuart,	State College
Elizabeth Laura Taylor,	Williamsport
Emma Burnett Van Allman,	Sunbury
Fannie Alice Wagner,	Montandon

HISTORY OF MUSIC.

NAME.	RESIDENCE.
Ruth Angeline Bottorf,	Lemont
Pearl Genevieve Bentel,	Pittsburg
Elizabeth H. Cornelius,	Lewisburg
Emma Grier Gearhart,	Danville
Anna Mildred Haverstick,	Lykens
Esther Lenore Lydic,	Mahaffy
Mae Morgan,	Perth Amboy, N. J.
Estie Marion Ocker,	Lewisburg
Mary Pierce Poeth,	Lewisburg
Milton Hayden Parry Prout,	Wiconisco
Alma Eleanor Stryker,	Petersburg
Margueret Johnston Stuart,	State College
Elizabeth Laura Taylor,	Williamsport
Emma Burnett Van Allman,	Sunbury
Fannie Alice Wagner,	Montandon

VIOLIN, VIOLA, VIOLONCELLO, DOUBLE BASS.

NAME.	RESIDENCE.
William Andrew Bartol,	Lewisburg
Ruth Angeline Bottorf,	Lemont
Elva Sarah Coleman,	Reynoldsville
Harry Allen Coryell,	Shamokin Dam
Norman Buckland Gardner,	Sunbury
Anna Mildred Haverstick,	Lykens
Roy Hanna,	Bradford
Scott Pardoe Hilliard,	Montgomery
Louise Weimer Lawshe,	Lewisburg
Clarence Ira Phillips,	Turbotville
Milton Hayden Parry Prout,	Wiconisco
Hattie Elizabeth Russell,	Watsontown
Bertha Sarah Seebold,	Middleburg
Martha Jane Thomas,	Frostburg, Md.
Ardis Clair Thompson,	Franklin

FLUTE, CLARIONET AND BRASS INSTRUMENTS.

NAME.	RESIDENCE.
Dale Angstadt,	Lewisburg
John Weiser Bassler,	Sunbury
John Belmont Cook,	Forrestville, N. Y.
Harry H. Diffenderfer,	Lewisburg
Henry Parker Friend,	Philadelphia
Joseph Ellsworth Glaspey,	Bridgeton, N. J.
John Giffen,	Milton
Lynn Sumner Goodman,	Loganton
Roy Hanna,	Bradford
John J. Harvey,	Howe, Montana
Roy W. Hoon,	Monongahela
James Lloyd Kalp,	Mount Pleasant
Walker Bruce Kester,	Curwensville
Oscar Kingsbury,	Nanticoke
Robert Odillon Klotz,	Lansford
Edward F. Leinbach,	Lewisburg
Charles Stephen Marsh,	New Bethlehem
Blaine Scott,	Monongahela
John McKissick Snow,	Franklin

NAME.	RESIDENCE.
Harry Stein,	Lewisburg
Ardis Clair Thompson,	Franklin
Howard King Williams,	Philadelphia
Roger Henry Williams,	Susquehanna

MANDOLIN.

NAME.	RESIDENCE.
Sarah Hammill Ayres,	Hightstown, N. J.
Edith Anna Bailey,	Wellsboro
Mary Isabel Bower,	Lewisburg
Ferne Frick Braddock,	Mt. Pleasant
Laverda Adelia Burgart,	Altoona
Mary Isabel Campbell,	Kane
Emma Rebekah Ebling,	Danville
James Wilson Ferrell,	New Freeport
Sara Cyrena Furman,	Wellsboro
Louisa May Gardner,	Sunbury
Ruth Hammitt,	Philadelphia
Bessie Ella Harpel,	Mt. Carmel
Ida Eveline Luchsinger,	West Pittston
Carrie May McCaskie,	Milburn
Florence Agnes McCaskie,	Milburn
Inez Edna Olds,	Lewisburg
Daisy Van Syckel Parsons,	Canton
Carrie Belle Roos,	Lewisburg
Eva Blanche Stoner,	Alverton
Martha Jane Thomas,	Frostburg, Md.
Nellie Thomas,	Philipsburg

GUITAR.

NAME.	RESIDENCE.
Maud Mabel Capwell,	Scranton
Katherine Mary Colvin,	Lewisburg
Nellie Estella Johnson,	Mt. Carmel
Edith Hedges Kelly,	Lewisburg
Mary Elizabeth Seaman,	Allentown
Maud Johanna Schubert,	Bradford

NAME.	RESIDENCE.
Helen Agatha Selinger,	McKean
Alif Stephens,	Lewisburg
Ruth Stephens,	Lewisburg
Charlotte Elliott Shields,	Lewisburg
Pearl Lois Smith,	Lewisburg
Frederick R. Switzer,	Trevorton

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Total Lessons,	211
Total pupils,	140

Courses of Study.

The School of Music is under the special charge of a French artist, whose musical education was received at the Conservatory of Music in Paris, and who has had a large and successful experience in teaching. He is supported by competent assistants, and the course is designed to afford every needed facility for the study of Vocal and Instrumental Music. An ample supply of pianos from the best makers is provided for practice, including a Concert Grand.

INSTRUMENTAL MUSIC.

COURSE FOR THE PIANO-FORTE OF FOUR YEARS FOR GRADUATION.

The pupil is required to pursue the most thoroughly approved modern system of technical training. After the first rudiments have been mastered, the course of instruction leads to the practice of *etudes,* designed to unite with purely technical drill the requirements of artistic style and expression.

PIANO.

FIRST YEAR.

New England Conservatory method, 1 and 2 parts; Le Couppey Ecole Du Méchanisme; Duvernoy Ecole du Méchanisme, books 1, 2 and 3; Kohler, op. 157; Czerny, fifty Studies from op. 261, 821, 599, and 139, ed. of Heinrich Germer; Meyer, Progressive and Melodious Studies; Robert Sutton's "The Elements of the Theory of Music"; Brown, Musical Biographies of Composers.

SECOND YEAR.

Plaidy, Technical Studies; Czerny, Polyrhythmic Studies from op. 139, 834, 335, and 299; Czerny, Studies of Ornamentation from op. 355 and 833; Czerny, twelve Studies from op. 299 and 740; Czerny, thirty studies from op. 299 and 834 (Heinrich Germer Edition); Heller, Expression and Rhythm, op. 135; Kullak, Preparatory Octave Studies; Homer Norris's Practical Harmony; History of Music.

THIRD YEAR.

Clementi, "Gradus and Parnassum;" Tausig, Daily Studies; Kohler Cramer Studies, books 1, 2, and 3; Czerny, thirty-six Octave Studies from op. 821, 335, 740, and 834 (Heinrich Germer Edition); Norris, Harmony; Dr. Marx, Universal School of Music.

FOURTH YEAR.

Bach, two and three-voiced invention; Czerny, twenty Studies from op. 325; Czerny, nineteen Studies from op. 740; Czerny, Toccata, op. 92 (Heinrich Germer Edition); Kullak, Octave Studies; Chopin, Studies, Liszt, Studies; Bach, Well-Tempered Clavichord (preludes and fugues); Kullak, Art of Touch; Symphonies of Haydn, Mozart, and Beethoven.

During the year, selected studies from Bertini, Rossellen, Moscheles, Heez, and Thalberg are also given to the pupils.

That the æsthetic development may be proportionately secured, the above exercises are supplemented by the study of the works of the best composers.

COURSE FOR PIPE ORGAN.

The course is based upon:

Dudley Buck's Pedal Studies, and upon the works of Rink, Batiste, Lefébure-Wely, Guilmant, and others.

COURSE FOR THE VIOLIN.

This course is based upon:

Dancla's School of Mechanism; De Beriot's Violinist's First Guide; Fiorillo's Studies; Alard's Studies; Kreutzer's Studies, etc., with selections from the compositions of the best writers for this instrument.

COURSE FOR THE VIOLONCELLO.

Instruction for this instrument is based upon:

Méthod Pratique pour le Violoncello, par S. Lee; studies by Piatti and Romberg.

COURSE FOR VIOLA.

Bruni's Methods and Studies, by Campagnoli.

COURSE FOR CONTREBASSO (DOUBLE BASS).

Bottesini's Method.

VOICE CULTURE.

COURSE OF THREE YEARS FOR GRADUATION.

Careful instruction is given in the use of the voice, and the correct manner of producing purity of tone. To secure control over the voice and gain for it flexibility, fullness, and durability, thorough drills afforded in such technical exercises as:

Lamperti's and Vannuccini's Italian Methods, Vocalises of Sieber, Concone, Tütgen, Vaccai, Bonaldi, Bordogni, Marchesi, and Ponafka; Lamperti's Studies in Bravura Singing. For expression and the development of a pure style, practice is afforded in singing the best English, German, Italian, and French Songs, Operatic Arias and Solos from the Oratorios.

COURSE IN HARMONY.

It is urgently recommended that the study of Harmony be included in the other musical work, inasmuch as a sound knowledge of its principles is essential to the success of all vocalists and instrumentalists. The text-books used are: Bussler's Harmonic Exercises, Homer Norris's Practical Harmony, Richter's Counterpoint, and Reicha's Course of Musical Composition.

THE ORCHESTRA.

CLASSES FOR ALL ORCHESTRAL INSTRUMENTS.

Students who are sufficiently advanced in any of the above musical instruments will have opportunity of practice in string quartettes, trios, concertos, and symphonies of Beethoven, Mozart, and Haydn.

THE BAND.

A Brass Band, consisting of about twenty pieces, has been organized, and is led by M. Elysée Aviragnet, Director of the School of Music. The Band meets weekly in the Laboratory for rehearsal, and furnishes street and concert music for University and town exercises.

RECITALS.

On the Friday evening prior to commencement Week a public recital of the School of Music is held in Bucknell Hall.

The public examination of those who desire certificates of proficiency is held in Bucknell Hall the Saturday afternoon before commencement. At this time each pupil plays or sings two pieces of high grade, and reads an essay on some subject connected with music.

TUITION.

Extra tuition is charged for instruction in Music, as follows:

	Per Annum.
Vocal Music,	$60 00
Music on Piano *or* Organ,	60 00
Harmony, in Class,	18 00
Harmony, private lessons,	60 00
Use of Instrument for practice,	10 00
Guitar, in Class,	15 00

	Per Lesson.
Special individual instruction in Music,	$1 00

No reduction will be made except in case of protracted illness.

Instruction in the Orchestra and in Harmony is free to pupils otherwise studying music.

RESIDENCE OF MUSIC PUPILS.

Pupils in music reside in the Institute, and are under the care of the Principal of the Institute. Students pursuing any of the Institute courses can also take studies in music. Those who wish to make music

a specialty are recommended to take at least one study each term in Language or Literature.

The regular charges for pupils in music, residing in the Institute, including one literary subject per term, are $195 per annum. This *does not* include charges for instruction in music, which are determined by the number of lessons taken per week.

GRADUATION IN MUSIC.

Students who complete any of the Courses in Music and pass the examinations, receive a certificate of proficiency. Students will not be ranked as Seniors in Music until they have passed an examination before the Committee. Besides the examination before the Committee for admission to the Senior Class, students will be required to pass a preliminary examination at the opening of the Spring term, and a final examination before Commencement Week. Students will not be admitted to the final examination unless they have passed the preliminary examinations.

THE AVIRAGNET PRIZES.

Professor Elysée Aviragnet has established two prizes, as follows:

1. A prize for excellence in music.

For 1902 this prize was awarded to Bettie Catherine Florin.

2. A prize for excellence in French.

For 1902 this prize was awarded to Julia Ella Murphy, Emma Alder Nesbit.

GENERAL REMARKS.

Young ladies attending upon the School of Music are subject to the administration and other regulations enacted by the Board of Trustees for the government of students in the Institute. These rules are given on page 141 of this Catalogue. Students of Music are also entitled to all the privileges of the Institute.

For information respecting the School of Music, address the Director, Elysee Aviragnet, Mus. Doc., or the President o the University.

University Calendar.

1903—04.

Second Term ends..... ..... Friday, March 27, 1903

SPRING RECESS.

Third Term begins..... Wednesday, April 1, 1903
Sermon before the Christian Associations,..Sunday, April 5, 1903
Declamation of the Third Form, Academy Saturday, April 18, 1903
Exercises of the Fourth-Year Class, Institute,
Saturday, April 25, 1903
Contest in Elocution, Institute,..... Saturday, May 16, 1903
Exhibition of the Junior Class, College,... Friday, May 15, 1903
Examinations..... .... Thursday to Saturday, June 18 to 20, 1903
Exhibition, School of Music.....Friday, June 19, 1903
Junior Debate,..... ..... Saturday, June 20, 1903
Baccalaureate Sermon,..... ....Sunday, June 21, 1903
Sermon before the Education Society,..... Sunday, June 21, 1903
Examinations for Admission to College,...Monday, June 22, 1903
Meeting of the Alumnae of the Institute,.. Monday, June 22, 1903
Oration before the Literary Societies,..... Monday, June 22, 1903
Annual Meeting of the Trustees,..... Tuesday, June 23, 1903
Annual Meeting of the Alumni, ... Tuesday, June 23, 1903
Exhibition of the Fourth Form, Academy.. Tuesday, June 23, 1903
Graduating Exercises of the Institute,.... Tuesday, June 23, 1903
Oration before the Alumni,..... Tuesday, June 23, 1903
ANNUAL COMMENCEMENT, the 52d,..Wednesday, June 24, 1903

SUMMER VACATION.

Examinations for Admission to College,
Wednesday, September 16, 1903
First Term Begins,..... Thursday, September 17, 1903
Reception by Christian Associations Saturday, September 19, 1903
Introductory Address,..... Monday, September 21, 1903
Thanksgiving (recess of three days), Thursday November 26, 1903
First Term Ends,..... ..... Thursday, December 17, 1903

HOLIDAY RECESS.

Second Term begins,.....Tuesday, January 5, 1904
Day of Prayer for Colleges,..... Thursday, January 21, 1904
Second Term Ends,..... Friday, March 26, 1904

SPRING RECESS.

Third Term begins,..... Wednesday, March 31, 1904
Sermon before the Christian Associations, Sunday, April 5, 1904
Third Term ends,..... ..... Wednesday, June 23, 1904

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